City of Milwaukee

Department of City Development

City Plan Commission
Historic Preservation Commission
Neighborhood Improvement
Development Corporation
Redevelopment Authority

Rocky Marcoux
Commissioner

Martha L. Brown
Deputy Commissioner

9/9/2011

OFFICIAL NOTICE NO. **155**

ADDENDUM NO. 1

NOTICE TO CONTRACTORS intending to bid on the above noted Official Notice. This bidder shall acknowledge receipt of this addendum on the appropriate page in their bid. The following attached documents, together with this cover page, constitute this entire addendum.

1. There will be a third, post addendum, optional walk through on Monday, September 12th from 9am-3pm.

2. The following shall be added to the scope of work:

   "The contractor is responsible for testing residual debris and sediment after pumping the tunnel and various pits throughout the project area. Debris or sediment that contains asbestos above regulatory limits shall be abated and disposed of in accordance with all applicable regulations."

3. The attached building summary for Building 64W40 and Building 58 were inadvertently left out of the original bid packet: Summary of Bldg. 64W40 (23 pages) and Summary of Bldg. 58 (19 pages)

4. Attached is a document showing the approximate locations of damaged roofing (1 page)

5. Attached is the Building Information Summary for Project Areas A, B, & C (1page)

6. The attached "Bid Response Form" (Attachment B) shall replace in its entirety the "Bid Response Form" included in the original Bid packet. . **ALL BID COSTS MUST BE SUBMITTED ON ATTACHMENT B.**

7. Attached are the following documents from the mandatory walkthrough on 8/29/11 and the optional walkthrough on 8/31/11: Questions and answers (received via e-mail and at walkthroughs) and sign in sheets

Very truly yours,

Scott Stange
Contract Compliance Office

General Note

Prism Technical Services is assisting the City/RACM with this bid. For questions regarding RPP, EBE, and prevailing wage issues, please contact Lafayette Crump at Prism Technical. Mr. Crump's contact information is: Phone: 414.847.0990 x103 and E-mail: lcrump@prismtechnical.com

PRE-DEMOLITION BUILDING ASSESSMENT FOR ASBESTOS,

LEAD-BASED PAINT AND HAZARDOUS MATERIALS

Century City Redevelopment Project
3533 North 27th Street
Milwaukee, Wisconsin

Project Area B
Building 64W40

Owner:
Redevelopment Authority of the City of Milwaukee
809 N. Broadway
Milwaukee, Wisconsin 53202
Tel: (414) 286-5800

Prepared By:
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Asbestos Inspector

Patrick J. Patterson, P.E., P.G.
Environmental Department Manager

MES Project No. 7-112013
August 15, 2011

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BUILDING 64W40 SUMMARY

General

The subject site is comprised of the Century City Redevelopment Project (CCRP) Areas – A, B and C. The address of the overall CCRP site for is 3533 N. 27th Street, in the City of Milwaukee, Wisconsin, 53216. Building 64W40 is generally located within the middle-eastern portion of CCRP Area "B" and is a two-story structural addition to the interior east side of Building that was constructed inside the eastern portion of Building 64. Photographs and a drawing for Building 64W40 (Figure 3) are included in the Appendix. Also, summary tables that indicate the locations and quantities of the detected ACM, lead-based paint and hazardous materials are included in the Appendix.

The Pre-Demolition Assessment (Assessment) activities at Building 64W40 were performed on June 13, 14, and 29 2011. At the time that the Assessment activities were performed, Building 64W40 was comprised of two (2) story structure that appeared to have been previously utilized for utilities and computer services for Bldg 40 along with offices for both Building 40 and Building 64.

Personnel

Position	Name	Company	WI DHS Certification
Asbestos Inspectors	Michael Rehfeldt	MES	AII-13268
	Shelley Hildebrandt	MES	AII-4373
	Travis Peterson	Kapur (KA)	AII-122638
Lead Risk Assessor	Michael Rehfeldt	MES	LRA-13268
Hazardous Materials Assessors	Patrick Patterson	MES	
	Brian Youngwirth	MES	

BUILDING OBSERVATIONS AND SUSPECT ACM

Structure

The observed structural components of Building 64W40 were comprised of brick, concrete and metal. None of the observed remnant structural materials were considered suspect ACM, and no samples of structural materials were collected.

Finishes

Interior Walls— Most of the interior walls were comprised of drywall; however, other observed

interior wall materials included wood wall paneling (attached with mastic), CMUs, and brick (within the upper level utility room and behind drywall in the southern-most room on the lower level). Also, mopboards were observed attached to base of walls with mastic, and chair-rails were observed attached to walls with mastic. Each of the observed interior wall materials (and associated mastics) was considered suspect ACM and was sampled.

Interior Ceilings – The interior ceilings were generally comprised of suspended acoustic ceiling tiles (ACT) (2'x4' tiles), and concealed spline type ACT (12-inch square tiles). However, plaster was observed in the hallway. These materials are considered suspect ACM, and were sampled.

Exterior Walls – The exterior walls were comprised of concrete masonry units (CMU) for the north and west wall lines. The east and south wall lines were comprised of brick associated with Building 40 to the east and Building 51 to the south. Samples of the homogenous mortar were previously collected from the adjoining Building 64 and adjacent Building 70. As such, no additional samples of this homogenous material were collected at Building 64W40.

Floors — Most of the floors of the building were concrete base floors covered with carpet (and associated mastic), floor tiles, or terrazzo flooring material. A wood floor area was covered with floor tiles. Each of these flooring materials was considered suspect ACM and was sampled.

Roofing Materials

The observed roof components of Building 64W40 were comprised plywood. None of the observed materials were considered suspect ACM, and no samples of the materials were collected.

Thermal System Insulation (TSI)

Thermal system insulation (TSI) was observed over horizontal and vertical piping system components (including pipe runs, elbows, joints and fittings) that were observed on both levels of the building and behind wall cavities and at some limited observation points above ceilings. Some fiberglass TSI was observed over pipe system components; however, fiberglass is not considered suspect ACM and was not sampled. Typically, observed fiberglass TSI was marked with a red "X". The observed pipe system TSI within Building 64W40 that is not fiberglass appeared to be homogenous with previously observed and sampled ACM from the adjoining and adjacent buildings within the former Tower Automotive facility that laboratory analysis results indicated to be ACM. As such, the observed pipe system TSI within Building 64W40 that was not fiberglass is "assumed" pipe insulation TSI and no additional samples were collected.

Ten (10) electrical fuse and switch boxes were observed in the 2nd level Utility Room within Building 64W40 that contained insulation panel material which appeared homogenous with the

material observed in fuse and switch boxes located in the adjoining and adjacent buildings at the subject site (typical of 'transite" ACM). Additionally, the laboratory analysis results of samples of this homogenous insulation panel material that was collected in the other buildings at the subject site indicated that the observed fuse and switch box insulation panel material of this nature is ACM. As such, no additional samples were collected, and the observed electric fuse and switch boxes within Building 64W40 are assumed to contain "transite" ACM asbestos insulation panels.

Miscellaneous Materials

The HVAC system vibration damper fabric in the 2nd Level Utility Room was sampled.

SUMMARY OF ACM

A material is considered to be asbestos-containing by the U.S. Environmental Protection Agency (EPA), State of Wisconsin and City of Milwaukee if at least one bulk material sample collected from a homogeneous area is found to contain one (1) percent or greater (≥1%) asbestos fibers by volume, or if the material appears to be typical of similar (homogenous) ACM and is assumed as such. A summary of the detected ACM, locations and estimated quantities are included in Table 1 (located in the Appendix), and a complete summary of the materials that were sampled and tested are included in Table 4 in the Appendix. Also, the locations of the collected samples are indicated on Figure 3 in the Appendix, and the laboratory analysis results report and chain-of custody are provided in the Appendix.

Based on the observations and the laboratory analysis results the following materials at Building 64 are ACM (or assumed as ACM):

- Pipe System TSI (non-fiberglass), inner and outer layers, various diameters, A28 to E28, A29 to D29 and A29 in Building 64W40
- Electrical Fuse/Switch Box Insulation Panels (Black and Gray/Silver), in the 2nd Level Utility/Air Handling Room
- Duct Wrap (non-fiberglass), located in the 2nd Level Utility/Air Handling Room
- Black mastic on 9"x9" Floor Tiles – 2nd Level Control/Power Room and Hallway
- Black mastic on 12"x12" Floor Tiles – 1st Level Hallway and Northwest Office

LEAD-BASED PAINT TESTING

Building Component Observations

Exterior painted concrete or masonry building components were observed at Building 64W40. Additionally, painted interior brick and CMU walls were observed in Building 64W40. As such, these painted components were tested utilizing an XRF analyzer.

Summary of X-Ray Fluorescence (XRF) Test Results

As indicated in the XRF test results provided in the Appendix (titled "Lead-Paint Inspection Report"), lead-based paint was detected on some of the lower portions (below 5 feet) of the painted brick associated with the 1st level of the northeast stairwell and the southeast corner of the 2nd floor utility room in Building 64W40. In the State of Wisconsin, a paint film layer that contains a concentration of 0.7 mg/cm^2 (or greater) by XRF analysis is considered "lead-based paint". The location and area of the lead-based paint affected components are summarized on Table 2 in the Appendix.

HAZARDOUS MATERIAL ASSESSMENT

Activities and Observations

The hazardous material assessment activities at Building 64W40 (and the immediate surrounding vicinity) generally consisted of observation, evaluation, cataloging and quantifying any observed hazardous materials or components and items within the buildings and associated exterior areas that may contain hazardous material, or materials that require special handling and/or disposal. These materials may include (but are not limited to): polychlorinated biphenyls (PCBs), chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), mercury-containing components, petroleum based products, oils, chemicals, radiation sources (such as tritium exit signs); and including other such items such as containers, drums, tanks, batteries, tires, and dry chemical fire extinguishers or halon systems.

More specifically, observations performed for building components or equipment and items that could contain PCBs typically included electrical system transformers and ballasts for fluorescent light systems or hydraulic oils; typical potential CFC and/or HCFC containing components included air conditioning or refrigeration units and drinking water fountain units; and typical potential mercury containing components or items include fluorescent bulbs, mercury vapor and high intensity discharge (HID) lamps or bulbs, switches, thermostats, and other temperature control or monitoring devices.

No handling, sampling or testing of any observed hazardous material or suspect hazardous materials and items was performed, and was not included within the scope of work. Also, any observed unlabeled and labeled containers or tanks were only cataloged and quantified based

on visual evaluation, and were not opened or otherwise accessed to observe the nature, and/or condition of the contents. Additionally, no access or entry to permit required confined spaces was allowed or performed during this Assessment to perform observations.

Summary of Hazardous Materials Assessment

Mercury-containing items: Based on observations of the interior, ceiling-mounted fluorescent light systems in Building 64W40, a total of 144 fluorescent light bulbs were observed to have silver metal end tabs. As such, it is estimated that 100% of the fluorescent light bulbs within Building 64W40 have silver metal end tabs. Fluorescent bulbs of this nature typically contain mercury at levels which exceed the U.S. EPA standard for mercury in waste. Also, two (2) mercury-containing thermostats were observed within the 1st level (southern-most room and the conference room), two (2) mercury-containing thermostats were observed within the 2nd level (north power/control room and hallway, and the fire suppression room), and six (6) mercury-containing thermostats were observed mounted on the east wall of the utility and air handling room.

PCB-containing items: Based on observation of the labels of interior fluorescent lighting system ballasts in Building 64W40, it is estimated that approximately 30% to 35% of the interior light system ballasts are considered to be PCB-containing. Additionally, three (3) PCB–containing transformers were observed within the hallway of the 2nd level Control Room of Building 64W40 and one (1) PCB–containing transformer was observed on the balcony of Building 64W40.

CFC/HCFC containing items: One (1) wall-mounted air-conditioning unit was observed in the 1st level southern-most room, one (1) larger air-conditioning unit was observed in the control room hallway within Building 64 and three (3) apparent cooling coils were observed to be associated with the large air handling unit within the 2nd level Utility and Air Handling Room.

Containers: one quart oil can in 2nd level stairwell; and in the 2nd level Utility and Air Handling Room the following items were observed - Two (2) containers of parts and oil and grease cleaners, a container of floor wax, a container of floor soap, two cans of enamel paints, one open case of grease containers, one can of refrigeration oil, one unlabeled can with a poison and flammable label, and three (3) unlabeled bottles and jars of unknown liquid.

Halon containing items: One (1) Fiquench 1301 Fire Extinguishing System with 40 gallon tank of Halon in Hallway of 2nd level Control Room and one (1) Fiquench 1201 Halon Fire Extinguisher in 2nd level Control/Power Room.

Fire Extinguishers: One (1) carbon dioxide extinguisher in 2nd level Utility and Air Handling Room.

Miscellaneous: One microwave in 1st level conference room.

At the time that the Assessment Activities were performed at Building 64W40, no obvious evidence of other building components, equipment or other items was observed within Building 64W40 (or the immediate surrounding vicinity), that is typically considered hazardous, potentially hazardous, or may require special handling and/or disposal.

BUILDING 64W40 ASSESSMENT RESULTS

Asbestos Containing Material

A summary of the ACM and estimated quantities are included in Table 1 (located in the Appendix), and a complete summary of the materials that were sampled and tested are included in Table 4 in the Appendix. Also, the locations of the collected samples are indicated on Figures 1 and 2 in the Appendix, and the laboratory analysis results report and chain-of custody are provided in the Appendix.

Based on the observations and the laboratory analysis results the following materials at Building 64 are ACM (or assumed as ACM):

- Pipe System TSI (non-fiberglass), inner and outer layers, various diameters, A28 to E28, A29 to D29 and A29 in Building 64W40
- Electrical Fuse/Switch Box Insulation Panels (Black and Gray/Silver), in the 2nd Level Utility/Air Handling Room
- Duct Wrap (non-fiberglass), located in the 2nd Level Utility/Air Handling Room
- Black mastic on 9"x9" Floor Tiles – 2nd Level Control/Power Room and Hallway
- Black mastic on 12"x12" Floor Tiles – 1st Level Hallway and Northwest Office

Federal, State and City of Milwaukee regulations require that ACM be properly handled and disposed prior to, or during demolition activities. Asbestos-containing materials are classified into three categories. Non-friable ACM, such as resilient floor coverings, mastics and asphalt roofing products are classified as Category I material. Category II materials are those, other than Category I materials, that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. Materials, which can be crumbled, pulverized or reduced to powder by hand pressure comprise the third category, known as Friable ACM.

The HVAC duct wrap and tape TSI and pipe system component TSI ACM that is present over the pipe runs, elbows, joints and fittings throughout Building 64W40 are Friable ACM. As such, these materials are required to be removed prior to demolition by a State of Wisconsin

DHS certified asbestos abatement contractor utilizing personnel that are certified as an "Asbestos Worker" by DHS.

With regard to the Category II ACM switch and fuse box insulation panels, it is recommended that these materials be removed intact prior to demolition and handled in a manner to prevent potential damage that could render the materials friable. As such, the removal and disposal of the Category II ACM must be performed by a State of Wisconsin DHS certified asbestos abatement contractor utilizing personnel that are certified as an "Asbestos Worker" by DHS.

The Category I ACM the mastic on the 9-inch and 12-inch square floor tiles generally appeared to be in fair to poor condition. Additionally, considering the nature of typical demolition activities, these Category I materials are considered likely to become friable during such activities. As such, it is recommended that these Category I materials be removed prior to the start of demolition activities. Therefore, the removal and disposal of the Category I ACM must be performed by a State of Wisconsin DHS certified asbestos abatement contractor utilizing personnel that are certified as an "Asbestos Worker" by DHS.

However, at the time of demolition the Category I ACM must be separated from other building demolition debris, and disposed of separately as ACM at an appropriate construction and demolition (C&D) landfill facility. Additionally, it is recommended that the demolition contractor utilize a water spray or mist when performing the demolition and subsequent removal of the Category I materials to minimize the potential for airborne emissions in general accordance with WDNR guidelines. Also, the exterior Category I materials must be removed and separated by properly trained and State certified "Exterior Asbestos Worker" personnel. Additionally, the materials must be removed in a manner that does not render the friable during the process. As such, ACM materials must not be subjected to dry cutting, sawing, or abrading methods.

It must be recognized that if during demolition the asbestos containing materials (regardless of category or condition) become intermixed with other building materials or demolition debris that does not contain asbestos, then all of the intermixed building materials are considered to be asbestos containing. Further, if it is planned for any of the building materials to be recycled (a typical practice for demolition contractors), then all ACM must be removed from the non-ACM material (or substrate) that is to be recycled prior to demolition, and properly disposed.

Lead-Based Paint

As indicated in the XRF test results provided in the Appendix (titled "Lead-Paint Inspection Report"), lead-based paint was detected on some of the lower portions (below 5 feet) of the painted brick associated with the 1st level of the northeast stairwell and the southeast corner of the 2nd floor utility room in Building 64W40. In the State of Wisconsin, a paint film layer that contains a concentration of 0.7 mg/cm^2 (or greater) by XRF analysis is considered "lead-based paint". The overall quantity of lead-based paint affected brick within Building 64W40 is

approximately 80 square feet. The location and area of the lead-based paint affected components are summarized on Table 2 in the Appendix.

Hazardous Materials

The following items were observed within Building 64W40 (and the immediate surrounding vicinity) that are typically considered as hazardous materials, regulated materials or materials that may require special handling and/or disposal.

Mercury-containing items: Based on observations of the interior, ceiling-mounted fluorescent light systems in Building 64W40, a total of 144 fluorescent light bulbs were observed to have silver metal end tabs. As such, it is estimated that 100% of the fluorescent light bulbs within Building 64W40 have silver metal end tabs. Fluorescent bulbs of this nature typically contain mercury at levels which exceed the U.S. EPA standard for mercury in waste. Also, two (2) mercury-containing thermostats were observed within the 1st level (southern-most room and the conference room), two (2) mercury-containing thermostats were observed within the 2nd level (north power/control room and hallway, and the fire suppression room), and six (6) mercury-containing thermostats were observed mounted on the east wall of the utility and air handling room.

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Containers: one quart oil can in 2nd level stairwell; and in the 2nd level Utility and Air Handling Room the following items were observed - Two (2) containers of parts and oil and grease cleaners, a container of floor wax, a container of floor soap, two cans of enamel paints, one open case of grease containers, one can of refrigeration oil, one unlabeled can with a poison and flammable label, and three (3) unlabeled bottles and jars of unknown liquid.

Halon containing items: One (1) Fiquench 1301 Fire Extinguishing System with 40 gallon tank of Halon in Hallway of 2nd level Control Room and one (1) Fiquench 1201 Halon Fire Extinguisher in 2nd level Control/Power Room.

Fire Extinguishers: One (1) carbon dioxide extinguisher in 2nd level Utility and Air Handling Room.

Miscellaneous: One microwave in 1st level conference room.

At the time that the Assessment Activities were performed at Building 64W40, no obvious evidence of other building components, equipment or other items was observed within Building 64W40 (or the immediate surrounding vicinity), that is typically considered hazardous, potentially hazardous, or may require special handling and/or disposal.

GENERAL COMMENTS

This Assessment has been conducted in a manner consistent with that level of care ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. The findings, recommendations and opinions contained herein have been promulgated in accordance with generally accepted practice in similar fields. No other representations, expressed or implied, and no warranty or guarantee is included or intended in this report.

APPENDIX

- Photographs (3)
- Figure 1 – Area B Bldg. 64 (Asbestos Sample Locations)
- Table 1 – Summary of Asbestos Containing Materials (1)
- Table 2 – Summary of Lead Based Paint (1)
- Table 3 – Summary of Hazardous Materials (1)
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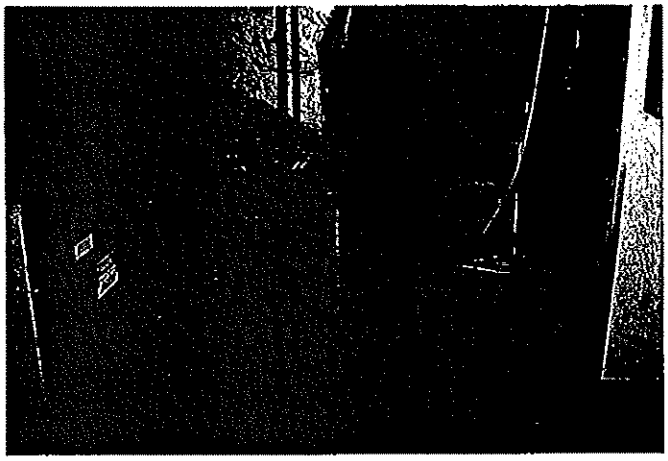
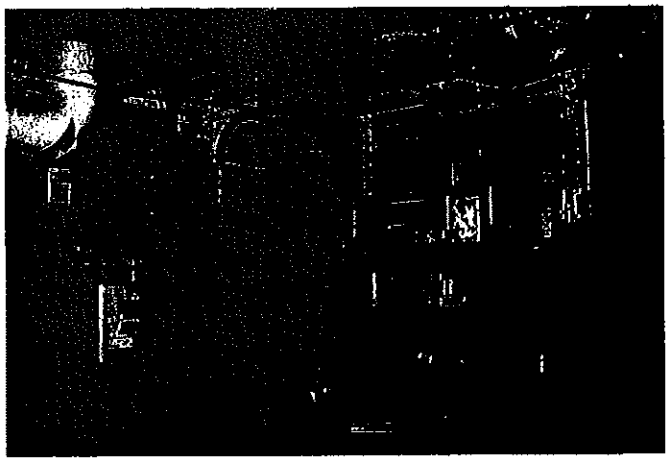
- XRF Lead Paint Inspection Report (4)
- Personnel and Company Certifications (7)

1. South Room along the southern wall line of Bldg 64W40.



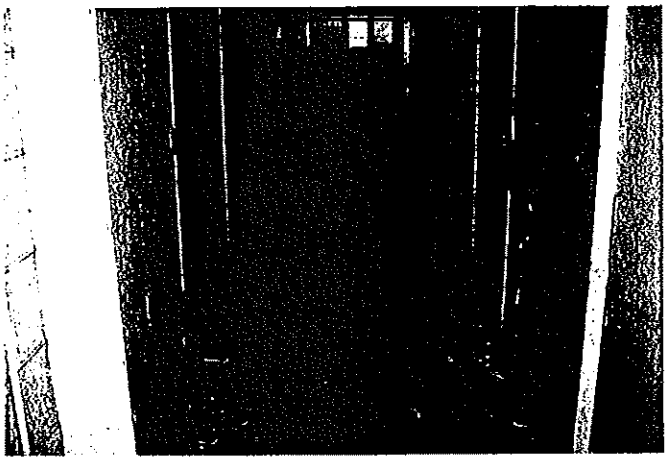
2. View of hallway on 2nd Level of 64W40 showing transformers.



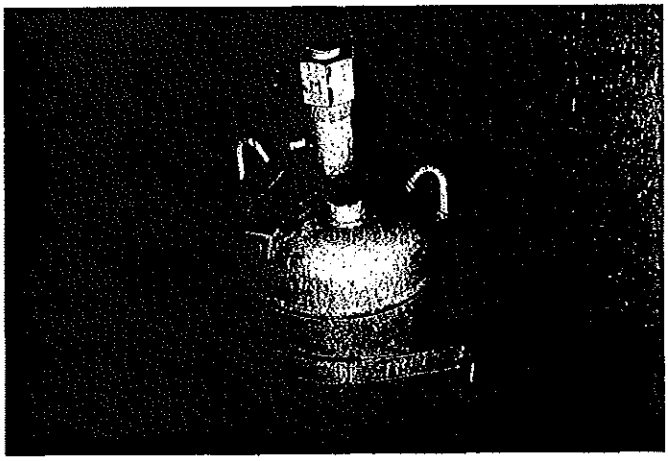
3. Photo of the 2nd level utility room of Building 64W40.

midwest engineering services, inc.	SITE PHOTOGRAPHS	Project Number: 7-112013
	Century City Redevelopment Project (CCRP) Area B Building 64W40	Initials: MWR

4. Photograph of the air handling unit observed in the 2nd level utility room of Building 64W40.

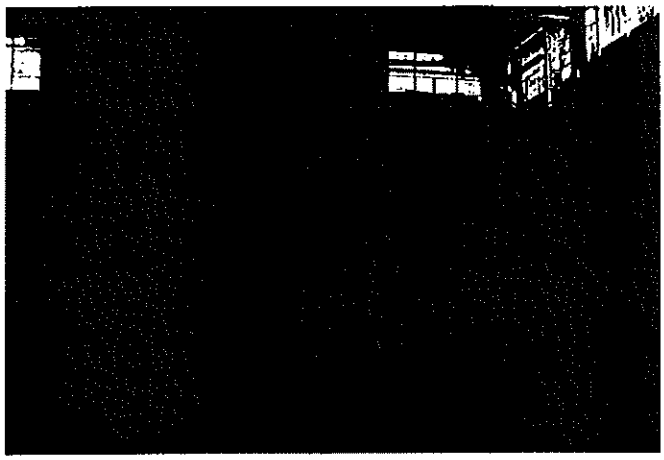


5. View of 1st level hallway of Bldg 64W40.

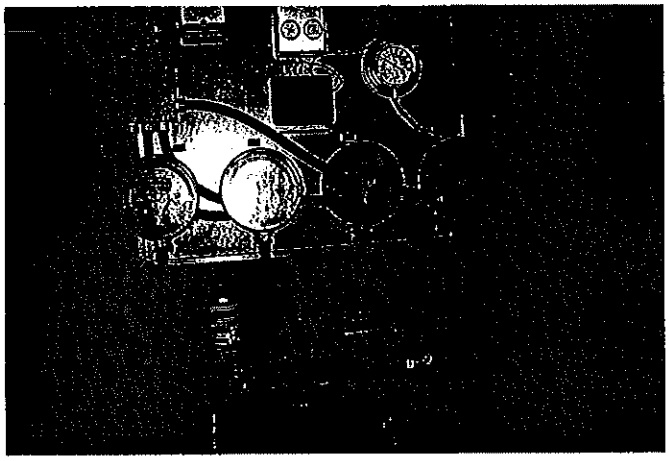


6. Photo of the tank of halon for the fire suppression system on the 2nd level of Building 64W40.

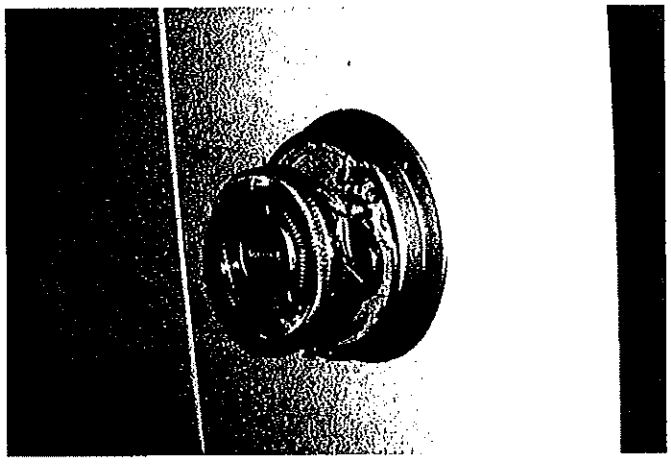
midwest engineering services, inc.	SITE PHOTOGRAPHS	Project Number: 7-112013
	Century City Redevelopment Project (CCRP) Area B Building 64W40	Initials: MWR



7. Photograph of Building 64W40.

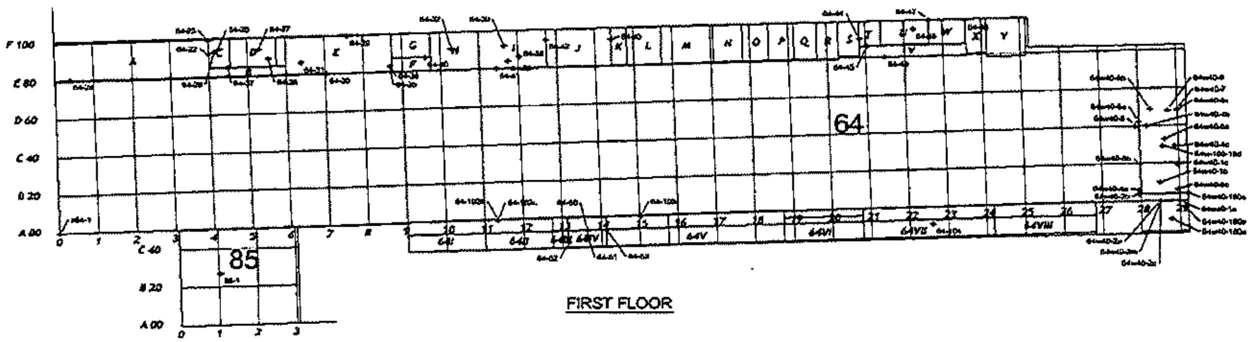


8. View of mercury switches observed in the upper utility room.

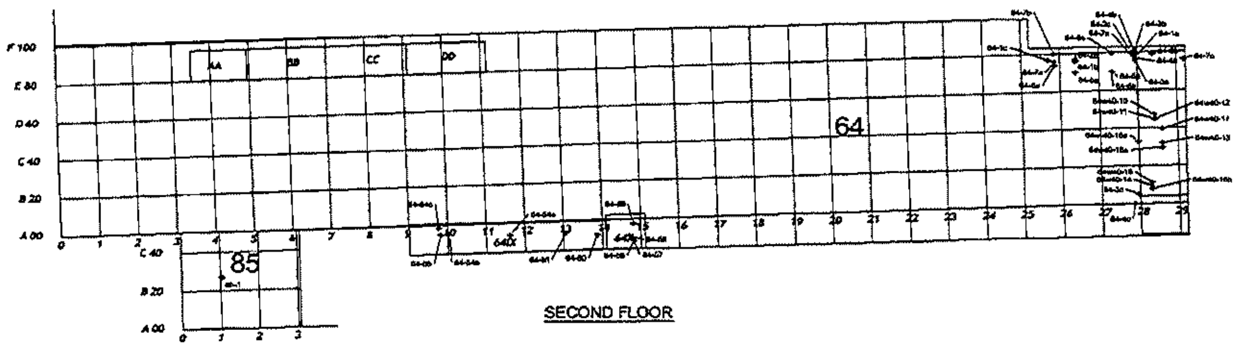


9. Photo of a mercury switch observed in the 1st level conference room.

midwest engineering services, inc.	SITE PHOTOGRAPHS	Project Number: 7-112013
	Century City Redevelopment Project (CCRP) Area B Building 64W40	Initials: MWR



FIRST FLOOR



SECOND FLOOR

Point #	Sample Number	Elevation	Northing	Easting
1	64w40-1a	8.500	402639.1194	547442.1773
2	64w40-1b	8.500	402648.8008	547439.8659
3	64w40-1c	8.500	402658.3794	547440.5661
4	64w40-2a	8.500	402632.8057	547432.1622
5	64w40-2b	8.500	402642.4587	547421.0622
6	64w40-2c	8.500	402638.8057	547432.1622
7	64w40-3a	8.500	402638.8057	547432.1622
8	64w40-4a	2.500	402644.4577	547420.9994
9	64w40-4b	2.500	402678.3978	547434.9303
10	64w40-4c	2.500	402668.5421	547439.2529
11	64w40-5a	8.800	402671.8836	547434.1436
12	64w40-5b	8.500	402638.4822	547421.5598
13	64w40-5c	8.500	402645.0851	547440.9884
14	64w40-6a	8.000	402680.4734	547420.0697
15	64w40-6b	9.000	402647.6967	547426.6472
16	64w40-6c	8.000	402687.0958	547440.6716
17	64w40-7	8.800	402687.0955	547440.6960
18	64w40-8	8.800	402678.4098	547418.9334
19	64w40-9	9.400	402686.9389	547435.6744
20	64w40-10	8.800	402686.2196	547424.6932
21	64w40-11	9.500	402683.7208	547428.7717

Point #	Sample Number	Elevation	Northing	Easting
22	64w40-12	9.500	402683.7459	547429.5713
23	64w40-13	4.500	402670.8527	547433.1775
24	64w40-14	4.500	402647.6758	547427.9019
25	64w40-15	4.800	402649.6748	547427.4091
26	64w40-16a	3.000	402668.4239	547433.2534
27	64w40-16b	4.000	402666.1768	547427.9489
28	64w40-16c	8.000	402671.4601	547420.6523
29	64w-100-24d	3.000	402666.3539	547433.2539
111	64-102b	16.000	402638.0464	547089.3550
112	64-102c	5.000	402628.0466	547089.3550
113	64-103	16.000	402630.3678	547163.2146
114	64-104	0.000	402636.1087	547214.5226
127	85-1	7.000	402599.7896	546945.5969
129	64w40-17	3.000	402678.3490	547432.9422
131	64-34a	0.000	402629.5283	547084.9932
132	64-34b	0.000	402627.6895	547063.1475
133	64-34c	0.000	402623.1579	547057.8394
134	64-55	0.000	402621.6585	547059.0186
135	64-56	4.000	402618.6390	547159.1788
136	64-57	5.000	402618.8066	547159.8938
137	64-58	0.000	402623.0729	547136.9792

Point #	Sample Number	Elevation	Northing	Easting
138	54-59	4.500	402627.5745	547158.8668
139	64-60	10.000	402621.9126	547140.1061
140	64-61	7.900	402622.8787	547123.9215
141	64-1a	34.000	402775.4228	547418.7723
142	64-1b	34.000	402714.4504	547387.7876
143	64-1c	34.000	402714.0197	547373.7945
144	64-2a	34.000	402714.4283	547418.8037
145	64-2c	38.000	402718.3566	547416.6792
146	64-2b	34.000	402713.4309	547387.8189
147	64-3a	34.000	402714.4223	547418.8037
148	64-3b	13.000	402718.4213	547418.6783
149	64-3c	34.000	402643.4582	547421.0308
150	64-4a	34.000	402775.4228	547418.7723
151	64-4b	12.500	402717.4218	547418.7096
152	64-4c	34.000	402638.3979	547419.1686
153	64-5a	35.000	402707.4538	547388.0071
154	64-5b	35.000	402708.0494	547406.9978
155	64-5c	21.500	402718.0449	547406.6841
156	64-6a	35.000	402771.1088	547376.8479
157	64-6b	35.000	402708.0498	547406.9978
158	64-6c	21.000	402717.7041	547427.7052

Point #	Sample Number	Elevation	Northing	Easting
159	64-7a	33.000	402713.1058	547376.8244
160	64-7b	21.000	402717.1038	547376.4989
161	64-7c	34.000	402715.2034	547443.7914
164	64-23	1.000	402723.0923	546939.1589
165	64-22	5.000	402715.9129	546939.4398
166	64-24	10.000	402702.4236	546867.8970
167	64-25	8.000	402717.8399	546944.4014
168	64-26	0.000	402716.7156	546942.4439
169	64-27	8.000	402718.4806	546965.4519
170	64-28	12.000	402713.5448	546970.4620
171	64-29	1.000	402723.4302	547011.2049
172	64-30	0.000	402705.4001	547000.7828
173	64-31	0.000	402711.4125	546987.0872
178	64-35	0.000	402709.4837	547033.5104
179	64-36	0.000	402709.4837	547033.5104
180	64-33	0.000	402712.1879	547094.5823
181	64-34	0.000	402712.1879	547094.5823
182	64-38	0.000	402714.4208	547100.4324
183	64-39	0.000	402720.2224	547092.4819
184	64-32	10.000	402718.3911	547065.2680
185	64-37	0.000	402708.9130	546949.8080

Point #	Sample Number	Elevation	Northing	Easting
186	64-40	3.000	402714.0957	547091.4638
187	64-41	0.000	402708.2529	547088.6789
188	64-42	8.000	402723.6127	547114.2399
189	64-43	20.000	402723.7480	547147.9071
190	64-44	3.000	402724.1794	547276.3131
191	64-45	10.000	402720.3643	547280.5091
192	64-46	10.000	402729.3640	547304.2582
194	64-48	3.000	402734.0442	547231.0871
195	64-47	4.000	402734.1885	547312.8730
196	64-49	5.000	402714.3748	547289.7417
197	64-50	0.000	402622.6640	547133.4235
198	64-51	0.000	402619.8447	547135.8832
199	64-52	1.000	402616.0689	547123.7836
200	64-53	0.000	402633.1427	547148.1276
201	64w40-100b	0.000	402635.0464	547445.4074
202	64w40-100a	0.000	402629.3075	547438.1458
203	64w40-100c	0.000	402643.1113	547446.1894
204	64-1	41.000	402620.9261	546862.4627

NOTE:
1. ELEVATIONS ARE FROM BUILDING FLOOR SURFACE.
2. ALL NORTHING AND EASTING POINTS ARE REFERENCED FROM AUTOCAD MODEL SPACE 0,0.

FILENAME: S:_Eastern\110464-Century City Radial map\BUILDING 64-85.dwg

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS

PROJECT:
CENTURY CITY REDEVELOPMENT PROJECT AREAS A, B AND C - ASBESTOS AND HAZARDOUS MATERIALS INSPECTION SERVICES

LOCATION:
2725 W. HOPKINS STREET
MILWAUKEE, WISCONSIN

SHEET:
AREA B - BLDGS 64 & 85

3

Century City Redevelopment
Project Areas A, B, and C
MES Project No. 7-112013

Table 1
Summary of ACM
Building 64W40

Material	Building Total Quantity	Locations (Rooms)
Black mastic from 12"x12" floor tile	300 SF	1st Floor, hallway and north office
Floor Tile		
9" x 9" with black mastic (assumed)	800 SF	2nd floor
TSI		
Duct wrap	120 SF	2nd floor, utility room
Pipe wrap	490 LF	A28 to E28 A29 to D29 A29

Century City Redevelopment
Project Areas A, B, and C
MES Project No. 7-112013

Table 2
Summary of Lead Based Paint (LBP)
Building 64W40

Component/Material/Color	Area/Quantity of LBP	Locations (Areas & Rooms)
Wall (lower 5'), Brick, Beige	70 SF	1st Floor, NE Stairwell
Wall, Brick, Green	20 SF	2nd Floor, Utility Room, SE corner

Table 3

Hazardous Materials

Building 64W40(Eastern Offices of Building 64)/Parcel B

Room # / Location	CFCs and HCFCs		Mercury /Sodium			PCBs		Fire Ext.	Batteries	Tires	Radiation Sources	Containers	Miscellaneous
	Air Conditioners	Water Fountains	Flourescent Bulbs	HID Bulbs	Thermostats/ Switches	Ballasts	Transformers						
1st Floor													
SW Corner Room w/ Green Walls	1		16		1	8							
Center Room/Conference			30		1								
Closet off Center Room			4									1	
Hallway			8			4		1					
NW Room			18			4							
2nd Floor													
Stairwell between 1&2			4									1	
Womens Restroom			16			4							
North Power/Control Room/ Hallway	1				1		3	1 (a)				1	
West Central Room w/ fire suppression sys.			28		1			1 (a)					
Utility Room/ Air Handling	3		6		6			1				16	
Eastern Hallway w/bad floor			10										
3rd Floor													
Balcony Area			4				1					1	

a) halon fire extinguisher system

TABLE 4

Asbestos Bulk Samples

Building 64-W40

Room	Location North	Location East	Height	Description	Asbestos PLM	Point Count	Condition	Sample No
Grid	-A+4	28+19	4	Drywall system	<1% Chrysotile	<0.25		64-W40-2B
Grid	A+0	29+10	4	Drywall system	<1% Chrysotile	<0.25		64-W40-2C
Grid	C+9	28+6	0	Multicolor mastic from 12x12" floor tile	3% Chrysotile		Good	64-W40-6B II
Grid	C+9	28+6	0	Black mastic (re-sample) from 12x12" floor tile	5% Chrysotile		Good	64-W40-6B-II-M
Utility Room			7	Gray layer of Brown Duct Insulation	55% Chrysotile		Fair	64W40-100B
Grid	C+9	28+6	0	12x12" floor tile, gray	None Detected			64-W40-6B
Grid	C+2	28+0	0	12x12" floor tile, gray	None Detected			64-W40-6A
Grid	C+8	29+0	0	12x12" floor tile, mastic	None Detected			64-W40-6C
Grid	-A+0	29+0	8	1x1' white acoustical ceiling tile, splined	None Detected			64-W40-1A
Grid	-A+10	29+10	8	1x1' white acoustical ceiling tile, splined	None Detected			64-W40-1B
Grid	-A+19.5	29+19	8	1x1' white acoustical ceiling tile, splined	None Detected			64-W40-1C
Grid	B+12	28+12	0	2x2 floor tile, off-white	None Detected			64-W40-13
Grid	A+6	28+19	8.5	2x2' acoustical ceiling tile	None Detected			64-W40-5C
Grid	B+0	28+0	8.5	2x2' acoustical ceiling tile	None Detected			64-W40-5B
Grid	B+13	28+13	8.5	2x2' acoustical ceiling tile	None Detected			64-W40-5A
Grid	-A+9	28+6	4.5	Black heat exchanger joint wrap	None Detected			64-W40-15
Grid	C+0	27+18	0	Black mastic from brown mopboard, lowest layer	None Detected			64-W40-8 III

Building 64-W40

Room	Location North	Location East	Height	Description	Asbestos PLM	Point Count	Condition	Sample No
Grid	A+0	29+10	0	Black mopboard mastic	None Detected			64-W40-3M
Grid	C+5	28+8	9.5	Black tar paper	None Detected			64-W40-12
Grid	C+2	28+0	0	Brown mastic from 12x12" floor tile, gray	None Detected			64-W40-6A II
Grid	C+0	27+18	0	Brown mopboard, outer layer	None Detected			64-W40-8
Grid	-A+0	29+10	4	Drywall only	None Detected			64-W40-2A
Grid	-A+11	28+6	4.5	Gray heat tape	None Detected			64-W40-14
Grid	C+8.5	29+0	0	Gray mopboard	None Detected			64-W40-7
Utility Room			5	Gray vibration cloth	None Dectected			64W40-100C
Grid	B+9.5	28+12	3	Light brown drywall spacer strips	None Detected			64-W40-17
Grid	B+9.5	28+18	2.5	Mastic from wainscot	None Detected			64-W40-4C
Grid	C+0	28+4	2.5	Mastic from wainscot	None Detected			64-W40-4B
Grid	A+6	27+19	2.5	Mastic from wainscot	None Detected			64-W40-4A
Grid	C+8.5	29+0	0	Multicolor mastic from gray mopboard	None Detected			64-W40-7 II
Grid	C+7.5	28+8	0	Off-white carpet adhesive	None Detected			64-W40-10
Grid	C+0	27+18	0	Off-white mastic from brown mopboard, outer layer	None Detected			64-W40-8 II
Utility Room			7	Tan layer of Brown Duct Insulation	None Detected			64W40-100B II
Grid	C+8	28+15	0	Terrazzo flooring	None Detected			64-W40-9
Grid	C+5	28+8	9.5	White ceiling plaster	None Detected			64-W40-11

Building 64-W40

Room	Location North	Location East	Height	Description	Asbestos PLM	Point Count	Condition	Sample No
Grid	R+11	27+19.5	5	White vinyl prefinished drywall	None Detected			64-W40-16C
Floor 2	B+9.5	28+12	3	White vinyl prefinished drywall	None Detected			64-W40-16A
Floor 2	A+7.5	28+6	4	White vinyl prefinished drywall	None Detected			64-W40-16B
Grid	B+12	28+12	0	Yellow mastic from 2x2 floor tile, off-white	None Detected			64-W40-13 II

PRE-DEMOLITION BUILDING ASSESSMENT FOR ASBESTOS, LEAD-BASED PAINT AND HAZARDOUS MATERIALS

Century City Redevelopment Project
3533 North 27th Street
Milwaukee, Wisconsin

Project Area B
Building 58

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Environmental Department Manager

MES Project No. 7-112013
August 15, 2011

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APPENDIX

- Photographs (1)
- Figure 6: Area B Bldgs. 60 and 58 (Asbestos Sample Locations)
- Table 1 – Summary of Asbestos Containing Materials (1)
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- XRF Lead Paint Inspection Report (5)
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BUILDING 58 SUMMARY

General

The subject site is comprised of the Century City Redevelopment Project (CCRP) Areas – A, B and C. The address of the overall CCRP site for is 3533 N. 27th Street, in the City of Milwaukee, Wisconsin, 53216. Building 58 is generally located within the southern portion of CCRP Area "B". Also, the north side of Building 58 adjoins the south side of Building 51, the south side of Building 58 adjoins the north side of Building 52, and the west side of Building 58 adjoins the southeast side of Building 60. Photographs and a drawing for Building 58 (Figure 6) are included in the Appendix. Also, summary tables that indicate the locations and quantities of the detected ACM, lead-based paint and hazardous materials are included in the Appendix.

The Pre-Demolition Assessment (Assessment) activities at Building 58 were performed on June 15, 23 and 30, 2011. It is understood that Building 58 was previously utilized for manufacturing and a loading dock. At the time that the Assessment activities were performed, Building 58 was vacant and no manufacturing equipment or machinery was present. Also, substantial structural damage and/or deterioration was observed within Building 58, including the concrete floor slab and an apparent collapsed upper exterior wall and roof section within the southwest portion of the building. Most of the south, north and west sides of the structure are comprised of metal and brick columns and the only intact structural walls that were observed are within the east portion of the building. In general, the structural remnants of Building 51 were comprised of metal framing, beams and columns, and walls that are constructed primarily of brick, concrete and concrete masonry units (CMU). The western portion of the metal truss supported roof deck appeared to be comprised of a metal panel and grid system, and the east side appeared to be comprised of a clay tile and metal grid system. Also, metal-framed, window grid sections are present along most of the lower and upper portions of the perimeter northeast and east walls. The building occupies an area of approximately 39,680 square feet, and is about 640 feet long (east to west) by 62 feet wide (north to south). The ceiling (and roof) level elevation of the main area of the building is about 51 feet. The east side of the Building 58 was comprised of a loading dock and storage area, and included a single-story interior office structure that was constructed of CMU and concrete.

Personnel

Position	Name	Company	WI DHS Certification
Asbestos Inspectors	Michael Rehfeldt	MES	AII-13268
	Shelley Hildebrandt	MES	AII-4373
Lead Risk Assessor	Michael Rehfeldt	MES	LRA-13268
Hazardous Materials Assessors	Patrick Patterson	MES	
	Michael Rehfeldt	MES	

BUILDING OBSERVATIONS AND SUSPECT ACM

Structure

The observed structural components of Building 58 were comprised metal framing, beams and columns, with walls that are constructed primarily of brick, concrete and CMU, and a concrete floor slab. No observed structural materials were considered suspect ACM, and no samples of structural materials were collected.

Finishes

Interior Walls— The remaining interior walls of Building 58 located within the east portion of the structure were comprised of brick, concrete and CMU. No suspect ACM interior wall finish materials were observed or sampled.

Interior Ceilings – The ceiling of the main area of Building 58 was covered with cellulose fiber acoustic ceiling tile (ACT) system that was comprised of 2'x4' tiles. This ACT material was observed to be homogenous with the ceiling material within the western adjoining Building 60, and was sampled. The ceiling of the east side loading dock office was comprised of concrete span.

Exterior Walls – The remaining exterior east, northeast and southeast walls of Building 52 were comprised of brick. The remaining upper south wall section of Building 58 was comprised of beige, corrugated fibrous panel system that extended the length of the south wall. These exterior wall panel materials were sampled.

Floors — Most of the floor areas of Building 58 were comprised of a concrete slab. However, 9-inch square resilient floor tiles were observed within the east side office (Room 58A). These floor tiles were observed to be homogenous with floor tiles from other areas within the former Tower Automotive facility that were indicated by laboratory analysis to be ACM. As such, the 9-inch square floor tiles in Room 58A are assumed ACM. Additionally, a visual evaluation of surficial debris that was observed to be generally scattered over the remaining floor slab area of 58 indicated that typical ACM (such as friable pipe TSI and Category I roofing materials) was present over the concrete slab surface and intermixed with the surficial debris. As such, it is "assumed' that the surface areas of the remnant concrete slab and debris piles are cross-contaminated with ACM.

Roofing Materials

The remaining roof deck of Building 58 was covered with a black, fibrous, multi-layer sheet roofing material and black, resinous flashing material. The observed roofing materials appeared to be homogenous with the materials over the south adjoining roof section of

Building 52. As such, considering that a laboratory analysis result of the roof material sample from Building 52 is ACM, the observed homogenous roofing material over Building 58 is assumed ACM. Additionally, a gray, resinous caulk or grout compound was observed over the seams/joints of the east side parapets of Building 58. The observed parapet seam/joint compound appeared homogenous with the parapet seam/joint material at the adjoining Building 51. As such, considering that a laboratory analysis result of the parapet seam/joint compound sample from Building 51 is ACM, the observed homogenous parapet seam/joint compound material at Building 58 is assumed ACM.

Thermal System Insulation (TSI)

Thermal system insulation (TSI) was observed over horizontal and vertical piping systems (including elbow, joint and fitting components) that were observed extending below the ceiling and along the walls within the east side of the building. Some fiberglass TSI was also observed; however, fiberglass is not considered suspect ACM and was not sampled. Also, fiberglass insulation was marked in the field with a red "X". The observed pipe system TSI within Building 58 (that is not fiberglass) appeared to be homogenous with previously observed and sampled TSI from the adjoining and adjacent buildings within the former Tower Automotive facility which laboratory analysis results indicated to be ACM. As such, the observed pipe system TSI within Building 58 that is not fiberglass is "assumed" ACM TSI and no additional samples were collected.

TSI wrap was observed over an HVAC unit and associated duct system that was mounted on the roof of the single-story office (Room 58A), located in the east side loading dock and storage area. The inner layer of the TSI was comprised of fiberglass, and was not sampled. However, the white fabric outer TSI wrap layer was considered suspect TSI and was sampled. Also, inner and outer layers of duct seam tape TSI was observed and sampled.

Also, twenty-one (21) electrical fuse and switch boxes were observed within Building 58 that contained insulation panel material which appeared homogenous with the material observed in fuse and switch boxes located in the adjoining Building 51 that is typical of 'transite" ACM. Additionally, the laboratory analysis results of samples of this homogenous insulation panel material that were collected in Building 51 (and other buildings) within the former Tower Automotive facility indicated that the observed fuse and switch box insulation panel material of this nature is ACM. As such, no additional samples were collected, and the observed electric fuse and switch boxes within Building 58 are assumed to contain "transite" ACM asbestos insulation panels.

Miscellaneous Materials

The window caulk and glaze compound on the east side exterior windows of Building 58 was sampled. The three (3) round, exterior high intensity discharge (HID) light that is mounted on the east and northeast exterior walls of Building 58 contain a fibrous lamp gasket that was observed to be homogenous with sampled material from other similar HID lamps at the subject

site that laboratory results indicated to be ACM. As such, the lamp gasket within the round HID light are "assumed" as ACM, and no additional samples were collected.

SUMMARY OF ACM

A material is considered to be asbestos-containing by the U.S. Environmental Protection Agency (EPA), State of Wisconsin and City of Milwaukee if at least one bulk material sample collected from a homogeneous area is found to contain one (1) percent or greater (≥1%) asbestos fibers by volume, or if the material appears to be typical of similar (homogenous) ACM and is assumed as such. A summary of the detected ACM, locations and estimated quantities are included in Table 1 (located in the Appendix), and a complete summary of the materials that were sampled and tested are included in Table 4 in the Appendix. Also, the locations of the collected samples are indicated on Figure 6 in the Appendix, and the laboratory analysis results report and chain-of custody are provided in the Appendix.

Based on the observations and the laboratory analysis results the following materials at Building 58 are ACM (or assumed as ACM):

- Main Roof – Fibrous and Resinous Roofing Material (Assumed)
- East Roof Parapet Joint/Seam Compound (Assumed)
- Exterior Windows (East Side) – Caulk and Glaze
- Pipe System Component TSI (non-fiberglass), various diameters, located throughout Building 58 (Assumed)
- Exterior Upper South Wall Panels (Transite)
- Electrical Fuse/Switch Box Insulation Panels (21), throughout Building 58 (Assumed)
- 9"x9" Resilient Floor Tiles, Room 58A (Assumed)
- Exterior, Wall Mounted, Round HID Lamp Gaskets (3 lamps)
- Floor Slab Debris (Assumed): observed surficial debris of typical friable TSI and non-friable Category I roofing material scattered over the area of the remnant floor slab.

LEAD-BASED PAINT TESTING

Building Component Observations

No exterior painted concrete or masonry building components were observed at Building 58. However, painted interior brick and CMU walls, and concrete floors were observed. As such, these painted concrete and masonry components were tested utilizing an XRF analyzer.

Summary of X-Ray Fluorescence (XRF) Test Results

As indicated in the XRF lead paint test results provided in the Appendix (titled "Lead-Paint Inspection Report"), no lead was detected on the painted concrete and masonry components of Building 58. In the State of Wisconsin, a paint film layer that contains a concentration of 0.7 mg/cm^2 (or greater) by XRF analysis is considered "lead-based paint".

HAZARDOUS MATERIAL ASSESSMENT

Activities and Observations

The hazardous material assessment activities at Building 58 (and the immediate surrounding vicinity) generally consisted of observation, evaluation, cataloging and quantifying any observed hazardous materials or components and items within the buildings and associated exterior areas that may contain hazardous material, or materials that require special handling and/or disposal. These materials my include (but are not limited to): polychlorinated biphenyls (PCBs), chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), mercury-containing components, petroleum based products, oils, chemicals, radiation sources (such as tritium exit signs); and including other such items such as containers, drums, tanks, batteries, tires, and dry chemical fire extinguishers or halon systems.

More specifically, observations performed for building components or equipment and items that could contain PCBs typically included electrical system transformers and ballasts for fluorescent light systems or hydraulic oils; typical potential CFC and/or HCFC containing components included air conditioning or refrigeration units and drinking water fountain units; and typical potential mercury containing components or items include fluorescent bulbs, mercury vapor and high intensity discharge (HID) lamps or bulbs, switches, thermostats, and other temperature control or monitoring devices.

No handling, sampling or testing of any observed hazardous material or suspect hazardous materials and items was performed, and was not included within the scope of work. Also, any observed unlabeled and labeled containers or tanks were only cataloged and quantified based on visual evaluation, and were not opened or otherwise accessed to observe the nature, and/or condition of the contents. Additionally, no access or entry to permit required confined spaces was allowed or performed during this Assessment to perform observations.

Summary of Hazardous Materials Assessment

Mercury-containing items: A total of sixty-four (64) interior ceiling mounted, mercury-containing HID light systems were observed within Building 58, and three (3) exterior wall mounted HID lamps were observed at Building 58. Additionally, based on observations of the fluorescent lighting systems that are present within Building 58, it appears that 100% of the 26 fluorescent light bulbs have silver metal end tabs. Fluorescent bulbs of this nature typically contain mercury at levels which exceed the U.S. EPA standard for mercury in waste.

PCB-containing items: Based on observation of the labels of interior fluorescent lighting system ballasts, two (2) ballasts were indicated to be PCB-containing within Room 58A of Building 58. Additionally, the 64 interior and 3 exterior HID light system ballasts were indicated to be PCB containing. Further, a total of three (3) PCB containing electrical transformers were observed within Building 58.

CFC/HCFC containing items: One (1) roof mounted (Room 58A) air-conditioning unit, and one (1) water cooler unit were observed in Building 58. Observations indicated that the refrigerant with these units are CFC or HCFC containing.

At the time that the Assessment Activities were performed at Building 58, no obvious evidence of other building components, equipment or other items was observed within Building 58 (or the immediate surrounding vicinity), that is typically considered hazardous, potentially hazardous, or may require special handling and/or disposal.

BUILDING 58 ASSESSMENT RESULTS

Asbestos Containing Material

A summary of the ACM and estimated quantities are included in Table 1 (located in the Appendix), and a complete summary of the materials that were sampled and tested are included in Table 4 in the Appendix. Also, the locations of the collected samples are indicated on Figure 6 in the Appendix, and the laboratory analysis results report and chain-of custody are provided in the Appendix.

Based on the observations and the laboratory analysis results the following materials at Building 58 are ACM (or assumed as ACM):

- Main Roof – Fibrous and Resinous Roofing Material (Assumed)
- East Roof Parapet Joint/Seam Compound (Assumed)
- Exterior Windows (East Side) – Caulk and Glaze

- Pipe System Component TSI (non-fiberglass), various diameters, located throughout Building 58 (Assumed)
- Exterior Upper South Wall Panels (Transite)
- Electrical Fuse/Switch Box Insulation Panels (21), throughout Building 58 (Assumed)
- 9"x9" Resilient Floor Tiles, Room 58A (Assumed)
- Exterior, Wall Mounted, Round HID Lamp Gaskets (3 lamps)
- Floor Slab Debris (Assumed): observed surficial debris of typical friable TSI and non-friable Category I roofing material scattered over the area of the remnant floor slab.

Federal, State and City of Milwaukee regulations require that ACM be properly handled and disposed prior to, or during demolition activities. Asbestos-containing materials are classified into three categories. Non-friable ACM, such as resilient floor coverings, mastics and asphalt roofing products are classified as Category I material. Category II materials are those, other than Category I materials, that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. Materials, which can be crumbled, pulverized or reduced to powder by hand pressure comprise the third category, known as Friable ACM.

The pipe system TSI ACM that is present over the pipe runs, elbows, joints and fittings throughout Building 58 is Friable ACM. As such, these materials are required to be removed prior to demolition by a State of Wisconsin DHS certified asbestos abatement contractor utilizing personnel that are certified as an "Asbestos Worker" by DHS.

With regard to the Category II ACM switch and fuse box insulation panels and the transite upper south wall panels, it is recommended that these materials be removed intact prior to demolition and handled in a manner to prevent potential damage that could render the materials friable. As such, it is recommended that the removal and disposal of the Category II ACM be performed by a State of Wisconsin DHS certified asbestos abatement contractor utilizing personnel that are certified as an "Asbestos Worker" by DHS.

The Category I ACM 9-inch square floor tiles and window caulk and glaze generally appeared to be in fair to good condition. However, considering the nature of typical demolition activities, the floor and window materials are likely to become friable during such activities. As such, it is recommended that these Category I materials be removed prior to the start of demolition activities by a State of Wisconsin DHS certified asbestos abatement contractor utilizing personnel that are certified as an "Asbestos Worker" by DHS.

The Category I ACM roofing material, resinous joint/seam materials present over the east side roof parapets of Building 58, and the 3 lamp gaskets of the exterior HID lamps were generally

in good condition. As such, these materials are not required to be removed prior to demolition, and may be removed at the time of the demolition activities, provided that the materials will not become friable during demolition activities. However, at the time of demolition the Category I ACM must be separated from other building demolition debris, and disposed of separately as ACM at an appropriate construction and demolition (C&D) landfill facility. Additionally, it is recommended that the demolition contractor utilize a water spray or mist when performing the demolition and subsequent removal of the Category I materials to minimize the potential for airborne emissions in general accordance with WDNR guidelines. Also, the exterior Category I materials must be removed and separated by properly trained and State certified "Exterior Asbestos Worker" personnel. Further, the materials must be removed in a manner that does not render the friable during the process. As such, ACM materials must not be subjected to dry cutting, sawing, or abrading methods.

It must be recognized that if during demolition the asbestos containing materials (regardless of category or condition) become intermixed with other building materials or demolition debris that does not contain asbestos, then all of the intermixed building materials are considered to be asbestos containing. Further, if it is planned for any of the building materials to be recycled (a typical practice for demolition contractors), then all ACM must be removed from the non-ACM material (or substrate) that is to be recycled prior to demolition, and properly disposed.

Lead-Based Paint

As indicated in the XRF test results for lead that are provided in the Appendix (titled "Lead-Paint Inspection Report"), no lead was detected on the painted concrete and CMU components that were tested at Building 58. In the State of Wisconsin, a paint film layer that contains a concentration of 0.7 mg/cm^2 (or greater) by XRF analysis is considered "lead-based paint".

Hazardous Materials

The following items were observed within Building 58 (and the immediate surrounding vicinity) that are typically considered as hazardous materials, regulated materials or materials that may require special handling and/or disposal.

- Mercury-containing items: A total of sixty-four (64) interior ceiling mounted, mercury-containing HID light systems were observed within Building 58, and three (3) exterior wall mounted HID lamps were observed at Building 58. Additionally, based on observations of the fluorescent lighting systems that are present within Building 58, it appears that 100% of the 26 fluorescent light bulbs have silver metal end tabs. Fluorescent bulbs of this nature typically contain mercury at levels which exceed the U.S. EPA standard for mercury in waste.

- PCB-containing items: Based on observation of the labels of interior fluorescent lighting system ballasts, two (2) ballasts were indicated to be PCB-containing within Room 58A of Building 58. Additionally, the 64 interior and 3 exterior HID light system ballasts were indicated to be PCB containing. Further, a total of three (3) PCB containing electrical transformers were observed within Building 58.

- CFC/HCFC containing items: One (1) roof mounted (Room 58A) air-conditioning unit, and one (1) water cooler unit were observed in Building 58. Observations indicated that the refrigerant with these units are CFC or HCFC containing.

At the time that the Assessment Activities were performed at Building 581, no obvious evidence of other building components, equipment or other items was observed within Building 58 (or the immediate surrounding vicinity), that is typically considered hazardous, potentially hazardous, or may require special handling and/or disposal.

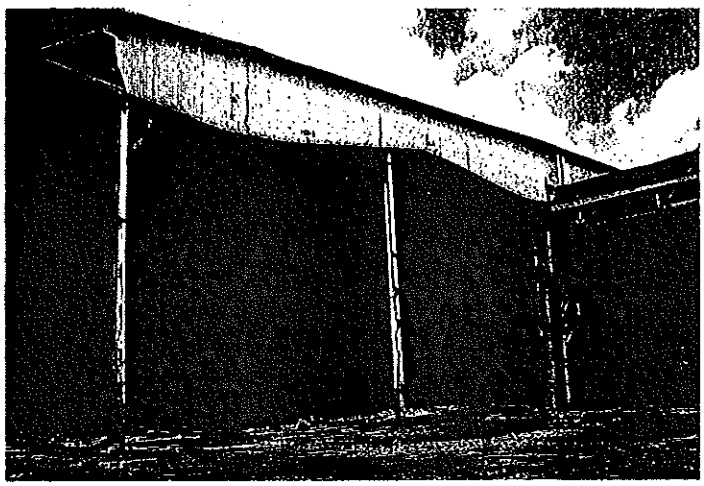
GENERAL COMMENTS

This Assessment has been conducted in a manner consistent with that level of care ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. The findings, recommendations and opinions contained herein have been promulgated in accordance with generally accepted practice in similar fields. No other representations, expressed or implied, and no warranty or guarantee is included or intended in this report.

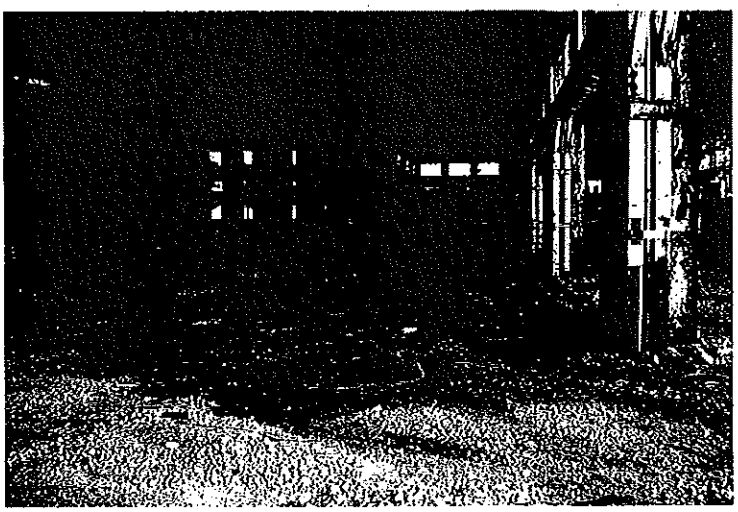
APPENDIX

- Photographs (1)
- Figure 6 – Area B Bldg. 40 (Asbestos Sample Locations)
- Table 1 – Summary of Asbestos Containing Materials (1)
- Table 2 – Summary of Lead Based Paint (1)
- Table 3 – Summary of Hazardous Materials (1)
- Table 4– Summary of Asbestos Sample Analysis Results (1)
- Bulk Asbestos Laboratory Analytical Report and Chain of Custody (7)
- XRF Lead Paint Inspection Report (4)
- Personnel and Company Certifications (7)

1. Photograph of Building 58 as seen from the East entrance .

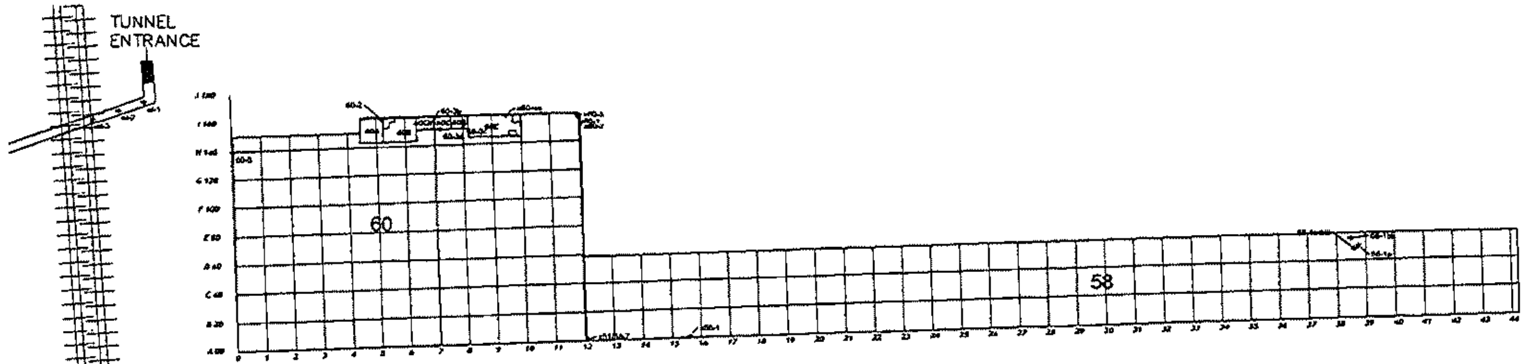


2. View of Building 58 Main roof .

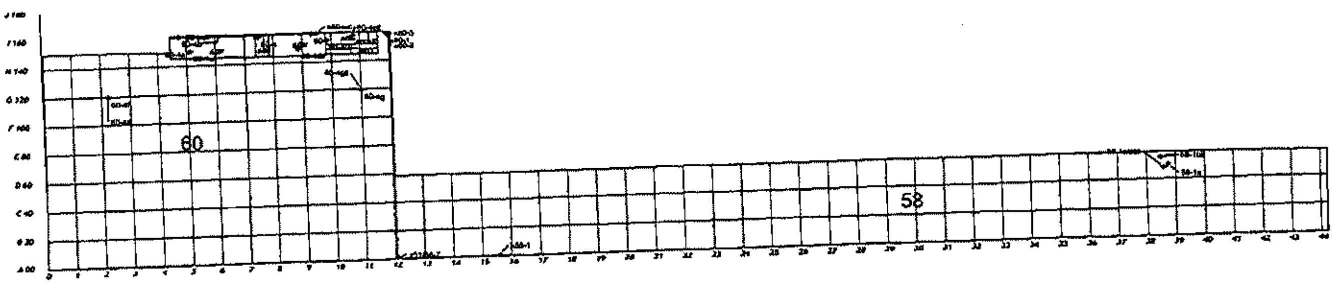


3. Photo of the interior of Building 58 from the West side of Building 58 . Along with floor slab debris shown at the bottom left hand side of the photo.

midwest engineering services, inc.	SITE PHOTOGRAPHS	Project Number: 7-112013
	Century City Redevelopment Project (CCRP) Area B Building 58	Initials: MWR



FIRST FLOOR



SECOND FLOOR

Point Table				
Point #	Sample Number	Elevation	Northing	Easting
1	60-1	4.000	402498.3318	546845.5591
2	60-2	4.000	402531.9489	546948.3354
3	58-1a	12.000	402434.3850	547622.6276
4	58-1aII	13.000	402439.2756	547617.4838
5	58-1c/II/III	11.000	402432.2867	547619.0959
6	x60-wt	5.000	402524.8349	547034.2876
7	60-1	5.000	402524.9788	547030.4474
8	60-4	4.000	402522.3522	546994.3418
9	60-3c	9.000	402517.8320	547005.4678
10	60-3a	9.000	402514.3914	546980.0943
11	60-3b	9.000	402522.8460	546984.9605
12	60-4a	11.500	402512.2167	546947.8443
13	60-4aII	11.500	402512.3957	546947.4550
14	60-4b	11.500	402522.4855	546939.3037
15	60-4bII	11.500	402522.4171	546939.3037
16	60-4c	11.500	402520.3648	547041.3784
17	60-4cII	11.500	402520.4547	547041.3993
18	60-4d	11.500	402514.3689	547022.0259
19	60-4dII	11.500	402514.1980	547022.0259
20	60-4e	11.500	402523.9454	547059.8261

Point Table				
Point #	Sample Number	Elevation	Northing	Easting
21	60-4eII	11.500	402523.6750	547059.8261
22	60-4f	20.000	402480.0254	546890.7008
23	60-4fII	20.000	402480.0254	546890.7008
24	60-4g	20.000	402485.8537	547065.6036
25	60-4gII	20.000	402483.8537	547065.6036
127	x60-1	25.000	402525.3770	547083.1099
128	x60-2	25.000	402525.3770	547083.1099
129	x60-3	25.000	402525.3770	547083.1099
130	x31/58-7	35.000	402347.7884	547091.3840
131	x58-1	33.000	402369.7073	547161.7647
132	x4-1	4.000	402534.3387	546784.7434
133	x4-2	4.000	402528.4314	546767.2392
134	x4-3	4.000	402522.2757	546749.4411

NOTE:
1. ELEVATIONS ARE FROM BUILDING FLOOR SURFACE.
2. ALL NORTHING AND EASTING POINTS ARE REFERENCED FROM AUTOCAD MODEL SPACE 0,0.

KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
www.kapurengineers.com

PROJECT:
CENTURY CITY REDEVELOPMENT PROJECT AREAS A, B AND C - ASBESTOS AND HAZARDOUS MATERIALS INSPECTION SERVICES

LOCATION:
2725 W. HOPKINS STREET
MILWAUKEE, WISCONSIN

CLIENT:

SHEET:
AREA B - BLDGS 60 & 58

FIGURE:
6

Century City Redevelopment
Project Areas A, B, and C
MES Project No. 7-112013

Table 1
Summary of ACM
Building 58

Material	Building Total Quantity	Locations (Rooms)
Transite Wall Panels	4,700 SF	Exterior, south wall, upper (below roof line)
Transite Electric Fuse and Switch box insulation panels	21	Interior walls and columns
Roof & parapets (assumed)	39,680 SF	Main roof
Windows	1,963 SF	Throughout
Floor Slab Debris (Assumed ACM contaminated)	31,200 SF	Ground floor slab areas
Exterior HID (round) Lamp Gaskets	6 LF (3 lamps)	East side, 1 Northeast side, 2
Windows (caulk)	1,963 SF	All
Assumed Floor Tile	500 SF	
9"x9" and mastic		Room 58A
TSI		
Pipe wrap	300 LF	A1.5 to D1.5 A9.5 to D9.5 A24 to D24

Century City Redevelopment
Project Areas A, B, and C
MES Project No. 7-112013

Table 2
Summary of Lead Based Paint (LBP)
Building 58

Component/Material/Color	Area/Quantity of LBP	Locations (Areas & Rooms)
No Lead-Based Paint Detected		

Table 3
Hazardous Materials
Building 58/Parcel B

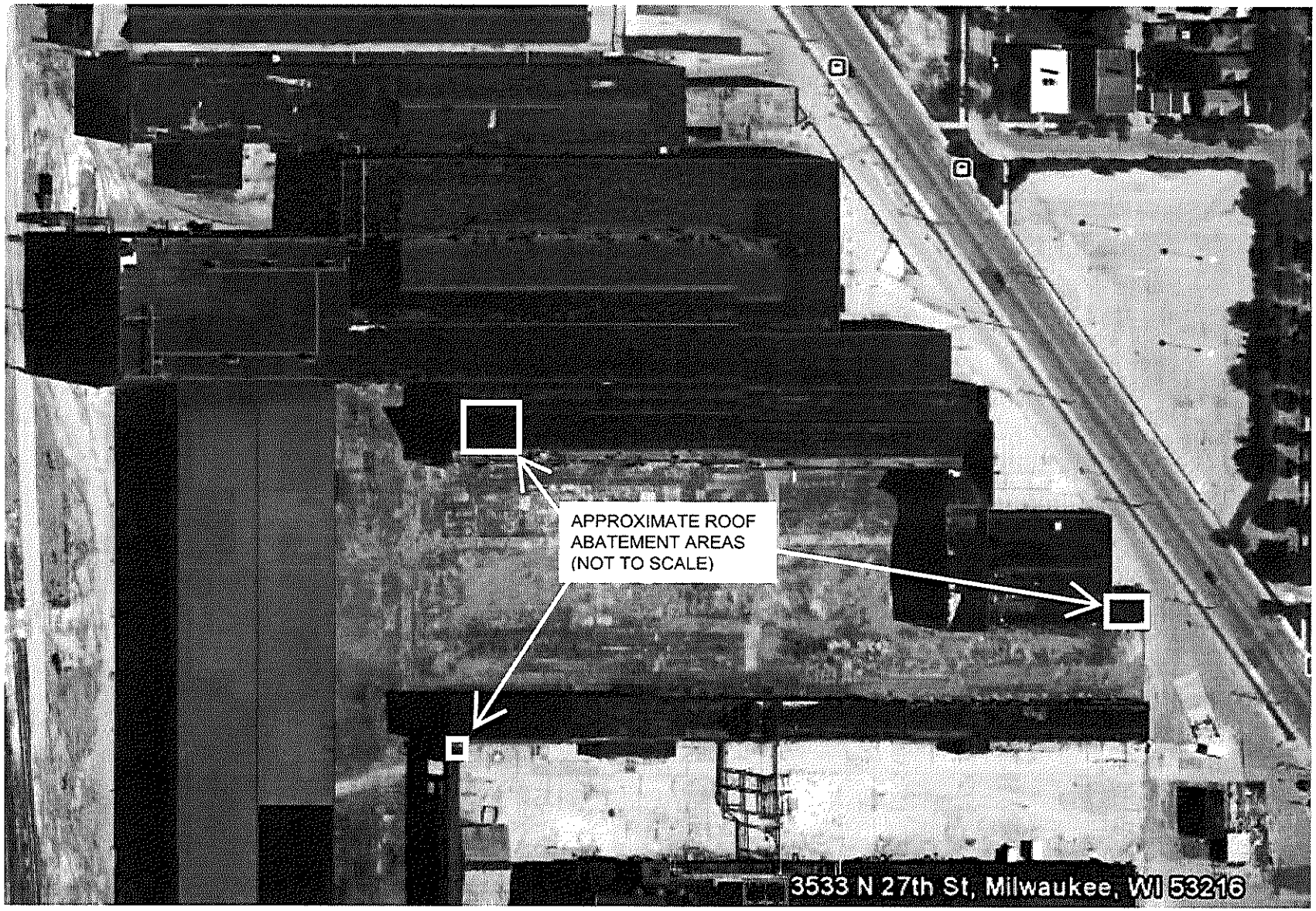
Room # / Location	CFCs and HCFCs		Mercury / Sodium			PCBs		Fire Ext.	Batteries	Tires	Radiation Sources	Containers	Miscellaneous
	Air Conditioners	Water Fountains	Flourescent Bulbs	HID Bulbs	Thermostats / Switches	Ballasts	Transformers						
58		1		64		64	1						
58A	1		26			2	2						
Exterior				3		3							

TABLE 4

Asbestos Bulk Samples

Building 58

Room	Location North	Location East	Height	Description	Asbestos PLM	Point Count	Condition	Sample No
Exterior	Windows	Inner Layer	30	Off-white/gray resinous window caulk	2% Chrysotile	1.9	Good	X58/-7 II
Exterior	S. Wall, west end	Upper portion	35	Tan (Gray) transite	20% Chrysotile		Good	X58-1
Exterior	Windows	Outer Layer	30	Off-white/gray resinous window caulk	3% Chrysotile	1.7	Good	X51/58-7
A	Roof HVAC		51	TSI, inner tape	None Detected			58-C III
A	Roof HVAC		51	TSI, silver tape	None Detected			58-C II
A	Roof HVAC		51	TSI, silver tape	None Detected			58-B II
A	Roof HVAC		51	TSI, white fabric duct wrap (outer)	None Detected			58-1C
A	Roof HVAC		51	TSI, white fabric duct wrap (outer)	None Detected			58-1B
A	Roof HVAC		51	TSI, white fabric duct wrap (outer)	None Detected			58-1A



ADDENDUM 1
APPROXIMATE LOCATIONS OF DAMAGED ROOFING REQUIRING ASBESTOS ABATEMENT
CENTURY CITY - AREAS A, B, AND C
SEPTEMBER 9, 2011

AECOM

3/14/2011

Table 1
Building Information Summary
Asbestos, Lead Based Paint, and Hazardous Materials Assessment
Areas A, B, and C
Century City Property
3533 North 27th Street
Milwaukee, Wisconsin

Parcel Location ID	Bldg. No.	Approximate Bldg. Foot Print Dimensions	Approximate Bldg. Foot Print Area - Calculated (sq. ft.)	Approximate Bldg. Area Listed (1.) (sq. ft.)	No. of Floors	Approximate Bldg. Height	Approximate Date Constructed	Historic Building Use
A	82 - including piping & pipe struts to Bldg 70	33' x 42'	1,386	1,386	N/A	Foundation Area	Unknown	Foundation only - former Incinerator Building
B	40	43' x 122'	5,246	15,624	3	35' to 40'	1946	3-Story Office Building
B	51	180' x 520'	93,600	94,586	1	51' to 67'	1926	Manufacturing
B	58	62' x 640'	39,680	39,680	1	51' to 67'	1959	Manufacturing
B	60	156' x 240'	37,440	37,173	1	31' to 76'	1959	Coil Pickling
B	64	100' x 580'	58,000	51,700	1	42' to 59'	1929	Storage
B	69	18' x 26'	470	476	1	10' to 12'	1940	Chem. Storage
B	70	260' x 560'	145,600	145,600	1	43'	1942	Manufacturing
B	70A	62' x 60'	3,720	3,720	1	12' to 15'	1942	Office
B	70B	111' x 47'	5,220	5,625	2	40'	Unknown	2nd Floor Electrical Substation
B	70E	21' x 109	2,290	2,950	1	20'	1966	Storage
B	70F	52' x 50'	2,600	2,600	1	21'	1968	Storage
B	85	50' x 60'	3,000	3,000	1	20'	1971	Steam Cleaning Building
B	Tunnel Entrance Bldg - including piping & pipe bridge to Bldg 60	7' x 15'	105	N/A	1	3' to 10'	Unknown	Unknown
C	37 - NOT including piping & pipe bridge to Bldg 33	220' x 740'	162,800	152,960	1	30' to 50'	1920-58	Manufacturing - structure partially demolished
C	37N	65 x 560	36,400	---	1	30' to 50'	Unknown	Manufacturing - structure partially demolished
C	46	20' x 20'	400	400	1	15	1920	Heating
C	52	156' 1" x 560'	87,406	87,360	1	38' 6" to 50'	1926	Manufacturing - structure partially demolished
C	53	50' x 18' 4"	915	924	1	18'	1929-29	Electrical Substation - brick bldng
C	53A (next to/east of 53)	24 x 28	672	---	1	15	Unknown	Electrical Substation - metal bldng
C	62	81' 6" x 137' 6"	11,206	12,405	1	17' 7"	1929	Manufacturing
			698,157	658,169				

REFERENCES:

1. November 1, 1972 List from A. O. Smith Corporation

NOTES:

All dimensions, heights, and square areas are approximate. Contractor is responsible for confirming dimensions, heights, and square areas.
Building heights are assumed to be similar for interior and exterior surfaces, except in office spaces.
"Unknown" indicates no data available.
Foot print area inclusive of offices, mobile (trailer) offices, restrooms, locker rooms, mezzanine levels, etc.
For Tunnel Entrance Building - foot print area does not include underground tunnel.

ATTACHMENT B
OFFICIAL BID NO. 155, ADDENDUM A - REVISED BID RESPONSE FORM
ASBESTOS AND HAZARDOUS MATERIALS ABATEMENT SERVICES
CENTURY CITY SITE - PROJECT AREAS A, B, AND C
BIDS DUE BY 10:30A.M. ON SEPTEMBER 15, 2011

CONTRACTOR NAME:_____

COST OF SERVICES

ALL BIDS MUST BE SUBMITTED USING THIS BID RESPONSE FORM IN NUMERIC AND WRITTEN FORM, AND TYPED OR PRINTED.

	Item	Item Description	Unit	Quantity	Unit Cost	Sub-Total Price
	1	**MOBILIZATION** TOTAL PRICE TO MOBILIZE ALL EQUIPMENT AND LABOR NECESSARY TO COMPLETE THE PROJECT DESCRIBED IN THE REQUEST FOR BID. **NOT TO EXCEED 5% OF THE TOTAL PROJECT COST.**	LUMP SUM	1	$_____	$_____
Write -->		**UNIT COST (WRITTEN):**				
		ASBESTOS ABATEMENT SERVICES				
	2	**ASBESTOS ABATEMENT - TRANSITE PANELS**	SQUARE FEET	16,529	$_____	$_____
Write -->		**UNIT COST (WRITTEN):**				
	3	**ASBESTOS ABATEMENT - TRANSITE TRANSFORMER PANELS**	SQUARE FEET	108	$_____	$_____
Write -->		**UNIT COST (WRITTEN):**				
	4	**ASBESTOS ABATEMENT - BLACK WALL MASTIC**	SQUARE FEET	3,595	$_____	$_____
Write -->		**UNIT COST (WRITTEN):**				
	5	**ASBESTOS ABATEMENT - CERAMIC TILE MASTIC**	SQUARE FEET	110	$_____	$_____
Write -->		**UNIT COST (WRITTEN):**				
	6	**ASBESTOS ABATEMENT - BLACK FLOOR MASTIC**	SQUARE FEET	300	$_____	$_____
Write -->		**UNIT COST (WRITTEN):**				
	7	**ASBESTOS ABATEMENT - INTERIOR WALL CAULK**	LINEAR FEET	890	$_____	$_____
Write -->		**UNIT COST (WRITTEN):**				
	8	**ASBESTOS ABATEMENT - WALL SEAM GROUT**	LINEAR FEET	120	$_____	$_____
Write -->		**UNIT COST (WRITTEN):**				
	9	**ASBESTOS ABATEMENT - DOOR WINDOW GLAZING/CAULK**	LINEAR FEET	20	$_____	$_____
Write -->		**UNIT COST (WRITTEN):**				
	10	**ASBESTOS ABATEMENT - DOOR CAULK**	LINEAR FEET	17	$_____	$_____
Write -->		**UNIT COST (WRITTEN):**				
	11	**ASBESTOS ABATEMENT - RESINOUS COATING ON CONCRETE BEAMS AND SPANS**	SQUARE FEET	3,100	$_____	$_____
Write -->		**UNIT COST (WRITTEN):**				
	12	**ASBESTOS ABATEMENT - TRANSITE ELECTRICAL BOXES**	EACH	623	$_____	$_____
Write -->		**UNIT COST (WRITTEN):**				

ATTACHMENT B
OFFICIAL BID NO. 155, ADDENDUM A - REVISED BID RESPONSE FORM
ASBESTOS AND HAZARDOUS MATERIALS ABATEMENT SERVICES
CENTURY CITY SITE - PROJECT AREAS A, B, AND C
BIDS DUE BY 10:30A.M. ON SEPTEMBER 15, 2011

CONTRACTOR NAME: _____

	13	ASBESTOS ABATEMENT - HID ROUND LAMP GASKETS	LINEAR FEET	76	$_____	$_____
Write -->		UNIT COST (WRITTEN):				
	14	ASBESTOS ABATEMENT - FLOOR TILE AND MASTIC (9" x 9")	SQUARE FEET	12,616	$_____	$_____
Write -->		UNIT COST (WRITTEN):				
	15	ASBESTOS ABATEMENT - FLOOR TILE AND MASTIC (12" x 12")	SQUARE FEET	4,226	$_____	$_____
Write -->		UNIT COST (WRITTEN):				
	18	ASBESTOS ABATEMENT - BLACK RESINOUS SEAM COMPOUND	LINEAR FEET	105	$_____	$_____
Write -->		UNIT COST (WRITTEN):				
	19	ASBESTOS ABATEMENT - TSI: WATER TANK WRAP	SQUARE FEET	59	$_____	$_____
Write -->		UNIT COST (WRITTEN):				
	20	ASBESTOS ABATEMENT - TSI: PIPE WRAP	LINEAR FEET	20,082	$_____	$_____
Write -->		UNIT COST (WRITTEN):				
	21	ASBESTOS ABATEMENT - TSI	LINEAR FEET	2,432	$_____	$_____
Write -->		UNIT COST (WRITTEN):				
	22	ASBESTOS ABATEMENT - TSI: TANK GASKET	LINEAR FEET	3	$_____	$_____
Write -->		UNIT COST (WRITTEN):				
	23	ASBESTOS ABATEMENT - TSI: DUCT WRAP	SQUARE FEET	2,064	$_____	$_____
Write -->		UNIT COST (WRITTEN):				
	24	ASBESTOS ABATEMENT - HEAT DUCT TAPE	LINEAR FEET	40	$_____	$_____
Write -->		UNIT COST (WRITTEN):				
	25	ASBESTOS ABATEMENT - WHITE SPRAY ON (CEILING)	SQUARE FEET	57,120	$_____	$_____
Write -->		UNIT COST (WRITTEN):				
	26	ASBESTOS ABATEMENT - WINDOWS (CAULK AND GLAZE)	SQUARE FEET	14,656	$_____	$_____
Write -->		UNIT COST (WRITTEN):				

ATTACHMENT B
OFFICIAL BID NO. 155, ADDENDUM A - REVISED BID RESPONSE FORM
ASBESTOS AND HAZARDOUS MATERIALS ABATEMENT SERVICES
CENTURY CITY SITE - PROJECT AREAS A, B, AND C
BIDS DUE BY 10:30A.M. ON SEPTEMBER 15, 2011

CONTRACTOR NAME:_____

	27 ASBESTOS ABATEMENT - WINDOWS (CAULK)	SQUARE FEET	17,706	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	28 ASBESTOS ABATEMENT - WINDOWS (GLAZE)	SQUARE FEET	4,800	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	29 ASBESTOS ABATEMENT - FIRE DOOR	EACH	7	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	30 ASBESTOS ABATEMENT - INITIAL INTERIOR FLOOR SLAB DEBRIS REMOVAL	SQUARE FOOT	293,604	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	31 ASBESTOS ABATEMENT - INITIAL EXTERIOR SLAB GRAVEL DEBRIS REMOVAL (REMOVE 6" OF GRAVEL).	SQUARE FEET	20 ,000	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	32 ASBESTOS ABATEMENT - ROOF DAMAGED AREA(S)	SQUARE FEET	3,500	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	33 ASBESTOS ABATEMENT - ELECTRICAL WIRE INSULATION	LINEAR FEET	1,100	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	34 ASBESTOS ABATEMENT - TRANSITE ELECTRICAL PANELS	SQUARE FEET	56	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	HAZARDOUS MATERIALS ABATEMENT					
	35 CFCs AND HCFCs - AIR CONDITIONERS	EACH	36	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	36 CFCs AND HCFCs - WATER FOUNTAINS	EACH	24	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	37 CFCs AND HCFCs - REFRIGERATORS	EACH	3	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	38 MERCURY/SODIUM - FLOURESCENT BULBS	EACH	3,535	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	39 MERCURY/SODIUM - HID BULBS	EACH	911	$_____	$_____
Write -->	UNIT COST (WRITTEN):					

ATTACHMENT B
OFFICIAL BID NO. 155, ADDENDUM A - REVISED BID RESPONSE FORM
ASBESTOS AND HAZARDOUS MATERIALS ABATEMENT SERVICES
CENTURY CITY SITE - PROJECT AREAS A, B, AND C
BIDS DUE BY 10:30A.M. ON SEPTEMBER 15, 2011

CONTRACTOR NAME: _____

	40 MERCURY/SODIUM - THERMOSTATS/SWITCHES	EACH	27	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	41 PCBs - BALLASTS	EACH	951	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	42 PCBs - TRANSFORMERS	PER TON	9,200	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	43 FIRE EXTINGUISHERS	EACH	19	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	44 BATTERIES	EACH	4	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	45 TIRES	PER POUND	750	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	46 RADIATION SOURCES	EACH	4	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	47 CONTAINERS CHARACTERIZATION AND DISPOSAL					
	47A CONTAINERS - UNIT COST LIQUIDS - 5 GALLONS OR LESS	PER POUND	129	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	47B CONTAINERS - UNIT COST AEROSOL CANS	PER POUND	45	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	47C CONTAINERS - UNIT COST 55-GALLON DRUM - NON PCB OILS OR PETROLEUM	PER POUND	2	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	47D CONTAINERS - UNIT COST 55-GALLON DRUM - PCB CONTAINING OILS OR PETROLEUM	PER POUND	2	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	47E CONTAINERS - UNIT COST 55-GALLON DRUM - HAZARDOUS WASTE	PER POUND	2	$_____	$_____
Write -->	UNIT COST (WRITTEN):					
	47F CONTAINERS - UNIT COST 55-GALLON DRUM - OTHER	PER POUND	7	$_____	$_____
Write -->	UNIT COST (WRITTEN):					

ATTACHMENT B
OFFICIAL BID NO. 155, ADDENDUM A - REVISED BID RESPONSE FORM
ASBESTOS AND HAZARDOUS MATERIALS ABATEMENT SERVICES
CENTURY CITY SITE - PROJECT AREAS A, B, AND C
BIDS DUE BY 10:30A.M. ON SEPTEMBER 15, 2011

CONTRACTOR NAME:_____

	47G CONTAINERS - UNIT COST PRESSURIZED TANKS	**EACH**	**6**	**$**_____	**$**_____
Write -->	**UNIT COST (WRITTEN):**				
	48 MISCELLANEOUS - OIL RESERVOIR ASSOCIATED WITH GATE	**EACH**	**1**	**$**_____	**$**_____
Write -->	**UNIT COST (WRITTEN):**				
	49 MISCELLANEOUS - OIL RESERVOIR ASSOCIATED WITH GATE	**EACH**	**1**	**$**_____	**$**_____
Write -->	**UNIT COST (WRITTEN):**				
	50 MISCELLANEOUS - LARGE PISTONS (BUILDING 60)	**EACH**	**2**	**$**_____	**$**_____
Write -->	**UNIT COST (WRITTEN):**				
	51 MISCELLANEOUS - ELEVATOR OIL RESERVOIR (BUILDING 60)	**EACH**	**1**	**$**_____	**$**_____
Write -->	**UNIT COST (WRITTEN):**				
	52 MISCELLANEOUS - TELEVISION SET	**EACH**	**1**	**$**_____	**$**_____
Write -->	**UNIT COST (WRITTEN):**				
	53 MISCELLANEOUS - MERCURY VIAL	**EACH**	**1**	**$**_____	**$**_____
Write -->	**UNIT COST (WRITTEN):**				
	OTHER SERVICES				
	54 FINAL CLEANING FINAL CLEANING OF PROJECT WORK AREA AFTER ASBESTOS ABATEMENT AND HAZARDOUS MATERIAL REMOVAL SERVICES ARE COMPLETE	**LUMP SUM**	**1**	**$**_____	**$**_____
Write -->	**UNIT COST (WRITTEN):**				
	55 PRE-CONSTRUCTION PROJECT MEETING TOTAL PRICE TO ATTEND AND PARTICIPATE IN A PRE-CONSTRUCTION PROJECT MEETING IN ACCORDANCE WITH, AND AS DESCRIBED IN, THIS INVITATION TO BID – INCLUDING, BUT NOT LIMITED TO, ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO ATTEND AND PARTICIPATE IN THE MEETING. **APPROXIMATE MEETING LENGTH - 3 HOURS**	**PER HOUR**	**3**	**$**_____	**$**_____
Write -->	**UNIT COST (WRITTEN):**				
	56 PROJECT STATUS MEETINGS: TOTAL PRICE TO ATTEND AND PARTICIPATE IN WEEKLY PROJECT STATUS MEETINGS IN ACCORDANCE WITH, AND AS DESCRIBED IN, THIS INVITATION TO BID – INCLUDING, BUT NOT LIMITED TO, ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO ATTEND AND PARTICIPATE IN THE MEETINGS. **APPROXIMATE MEETING LENGTH - 1 HOUR**	**PER HOUR**	**12**	**$**_____	**$**_____
Write -->	**UNIT COST (WRITTEN):**				
	58 PUMP AND FILTER WATER TOTAL PRICE TO PUMP, FILTER, AND DISPOSE OF WATER THAT IS IN THE TUNNEL AND VARIOUS PITS THROUGHOUT THE WORK AREA. **THIS IS A ONE TIME CHARGE AND INCLUDES ALL PUMPING/FILTERING TO COMPLETE THE PROJECT ACTIVITIES.**	**LUMP SUM**	**1**	**$**_____	**$**_____
Write -->	**UNIT COST (WRITTEN):**				

ATTACHMENT B
OFFICIAL BID NO. 155, ADDENDUM A - REVISED BID RESPONSE FORM
ASBESTOS AND HAZARDOUS MATERIALS ABATEMENT SERVICES
CENTURY CITY SITE - PROJECT AREAS A, B, AND C
BIDS DUE BY 10:30A.M. ON SEPTEMBER 15, 2011

CONTRACTOR NAME: _____

	S9	**SEDIMENT/DEBRIS REMOVAL**				
		PRICE TO TEST SEDIMENT IN TUNNELS AND PITS FOR ASBESTOS FIBERS AFTER THE WATER IS REMOVED FROM THE STRUCTURES, AND TO ABATE THE SEDIMENT IF ANALYTICAL DATA CONFIRMS THE PRESENCE OF FIBERS ABOVE REGULATORY LEVELS.	**PER TON**	**250**	$_____	$_____
Write -->	**UNIT COST (WRITTEN):**					
	All quantities are estimated - actual quantities may be more or less than estimate. Invoicing shall only be for actual verifiable quantities.				**BID TOTAL COST** $	
Write -->	**BID TOTAL COST (WRITTEN):**					

ALTERNATE NO. 1 - ON-CALL ASBESTOS ABATEMENT ACTIVITIES

	1A	**MOBILIZATION**				
			EACH	**1**	$_____	$_____
		COST PER MOBILIZATION - ASSUME TWO WORKERS AND EQUIPMENT				
Write -->	**UNIT COST (WRITTEN):**					
	1B	**ASBESTOS WORKER**				
		ONE LICENSED ASBESTOS WORKER	**PER HOUR**	**1**	$_____	$_____
Write -->	**UNIT COST (WRITTEN):**					
	1C	**ASBESTOS SUPERVISOR**				
		ONE LICENSED ASBESTOS SUPERVISOR	**PER HOUR**	**1**	$_____	$_____
Write -->	**UNIT COST (WRITTEN):**					
	1D	**EXTERIOR WORKER**				
		ONE WORKER OUTSIDE THE CONTAINMENT ZONE	**PER HOUR**	**1**	$_____	$_____
Write -->	**UNIT COST (WRITTEN):**					
	1E	**DISPOSAL**				
		TRANSPORTATION AND DISPOSAL OF ASBESTOS CONTAINING MATERIAL	**PER TON**	**1**	$_____	$_____
Write -->	**UNIT COST (WRITTEN):**					

Questions and Answers

Q. Will there be any additional time to visit the site to review any items after the addendum has been issued?

A. Yes – Monday, September 12, 2011. 9:00am to 3:00pm. Enter at Gate 2 – 2725 W. Hopkins St. Prior to entering the site, anyone showing up for the site visit will need to have steel tipped boots, hard hat , safety glasses and a reflective vest.

Q. The bid form is structured as a unit price proposal – based upon the initial site visit there are varying conditions that severely affect the unit price of one item verses the unit price of the same item in other areas (for example removal of TSI Pipe Wrap – the cost to remove one lineal feet of pipe insulation is going to vary considerably if the pipe is 60' in the air instead of 6 ' above finished floor – Removal of Tranisite Panels – the cost to remove transite will vary considerably if the transite is on the exterior of a building 40' in the air verses transite on a wall of an office, etc.). is the unit price contract the best option to price this job? If unit prices are used is it possible that the add/deduct consider the above factors and be able to be negotiated for all parties benefit?

A. Bid the project as provided for in the specifications and on the Bid Form.

Q. The requirements for EBE and RPP will require a commitment from local contractors and employees to comply with the bid specifications. What sort of provisions do these contractors have to comply with asbestos certifications and will all employees provided to meet the RPP be already asbestos certified and have physicals to clear them for respirator usage? In other words does the prime contractor bidding the project have to make provisions or pay for costs associated with licensing, training, or physicals of these employees? The city lists 3 organizations for sourcing residents that meet the above qualifications (Esperanza Unida, Milwaukee Urban League, Big Step) are these the only agencies that can provide employees?

A. It is the abatement contractor's responsibility to verify that companies are EBE certified and that employees are RPP certified before work starts. The agencies should be able to provide employees with the prerequisite training and certifications. These are the agencies that Prism Technical Services and the City typically work with to identify and certify RPP workers. There may be other agencies that can provide employees that meet the RPP eligibility.

Q. What sort of financial assistance is available for the prime contractor to assist EBE certified firms in meeting the bid/contract requirements?

A. Financial assistance for EBE certified contractors is administered by the City's Department of Administration Emerging Business Enterprises Program. More information can be found at http://city.milwaukee.gov/ebe

Q. Is there a website or electronic copy of the Emerging Business Enterprise Program's listing of currently City certified EBE firms? If not could this be provided in the addendum?

A. A link to the list of EBE firms is available at the City's EBE web site home page, under the "EBE Business Directory": http://city.milwaukee.gov/ebe

Q. What sort of rules and regulations will the prime contractor be responsible to comply with the railroad company? Who is the Railroad company?

A. The contractor is responsible for complying with all local, state, and federal regulations while working within or adjacent to the railroad, The contractor shall call Wisconsin and Southern Railroad (WSOR) to arrange for railroad contractor worker protection and to identify training requirements prior to working adjacent to, or within, the railroad right of way. The WSOR contact person is Ben Meighan at 414-750-6412.

Q. Since the city is awarding the project – does the prime contractor need to pay for Hydrant usage or any other permits required by the city or would the city waive any and all fees?

A. All pertinent City permits must be obtained by the abatement contractor. Contractors should assume they need to cover all fees necessary for permits with the understanding that some City permit fees might be waived. Contractor will apply a discount if fees are waived.

Q. Continuous or Evening work – work is tentatively scheduled for days, however if night work is requested by the commissioner the costs for such work is to be borne by the contractor or included in the unit costs. Is there any night work anticipated or expected? Extra costs for lighting, shift differential, etc. would be a contributing factor in determining unit cost rates.

A. Work is anticipated to take place during normal business hours. However, it is the contractors responsibility to establish their working hours.

Q. This project is scheduled to be completed within 120 days from contract notice to proceed. Based upon the estimated time from this notice to proceed a good portion of the work may be performed during winter conditions. Will the contract be extended due to adverse weather conditions (i.e snow that covers up debris piles or areas that need to cleaned, or if areas need to be plowed to put down drop cloths for window removal)? Will there be any provisions for dealing with these conditions for reimbursement to the prime contractor?

A. Refer to Section 2.4.17 Progress of the Work in General Conditions provided with the bid documents. The City will allow an additional 30 days to complete the project log book and administrative related work. This does not apply to EBE, RPP, and Prevailing Wage reporting that is required to be completed on a monthly basis.

Q. There is a considerable amount of desks, chairs, file cabinets, storage cabinets, debris, etc. throughout numerous work are that will need to be moved out of the abatement areas. Will the owner be responsible for removal of any items? If not, does the prime contractor need to dispose of any of these items that need to be removed?

A. The abatement contractor is responsible for managing the access to the abatement work space. Any items containing or contaminated by asbestos shall be cleaned prior to removal from an abatement work space or disposed of as RACM in accordance with local, state, or federal rules. All items removed from an abatement work space, and not disposed of as RACM, shall stay on-site.

Q. In the specification it indicates (spec 2.5.11) that the contractor can be charged for inspections after the completion date. Isn't this what the Liquidated Damages of $150/per diem is for?

A. No.

Q. Could you provide a defined description of work for the project site and/or for each building? The specifications indicate removal of asbestos and hazardous materials – however during the walk thru it was determined that roofing materials were to remain in place and be demolished with the buildings. Also during an inquiry of the roofing – it was mentioned that the abatement contractor may be responsible for removal of roofing that has become damaged. Could you clarify what this contract requires? Currently the specification indicates roofing of building 37

and the west end of building 52 needing removal but does not give an estimated amount of what is required.

A. Damaged roof material that is not securely attached to the roof structure shall be abated. See the attached figure showing approximate areas with damaged roofing. The bid form (item 32) provides an estimated quantity.

Q. Lead Paint – it was mentioned during the walk thru that lead paint will be left and will be responsibility of the demolition contractor. Could you please clarify this scope of work?

A. Lead based paint abatement is not part of this scope of work.

Q. Sequencing of work – per the specifications Buildings 82 and 70 need to be completed within 45 days after the notice to proceed. Would Liquidated Damages apply to this completion date or is this just a target date?

A. The timeline is firm; however, liquidated damages will not be applied to the 45 day requirement.

Q. The Completion date, as noted in the specifications, indicates that final acceptance will be contingent of a final walk thru and acceptance of the final project log book. The final project log book and acceptance may take up to 30 days to compile pending receipt of disposal manifests and acceptance by the city. Will acceptance of the final project log book and acceptance be ok after the 120 day completion date requirement or would liquidated damages apply to this item as well?

A. The site work shall be completed within the 120 day period. The City will allow an additional 30 days to complete the project log book and administrative related work. This does not apply to EBE, RPP, and Prevailing Wage reporting that is required to be completed on a monthly basis.

Q. For Building 64W40 – the asbestos survey Appendix A – Table 1 Summary of ACM references building 69 (NO ACBM) but the summary of ACM indicates Pipe TSI, Electrical Fuse/Switch Box Insulations, Duct Wrap, and Black Mastic. Could you please provide a revised section of the survey to reflect the amount of quantities to be removed?

A. A corrected version is attached.

Q. For Building 58 – the report references building 85. Is this a typo?

A. A corrected version is attached.

Q. How was the square footage of glazing calculated?

A. The glazing square footage includes the total window area.

Q. Can abatement of tunnel be completed during demolition?

No.

Q. Is the large tire near building 70 included for removal?

A. Yes.

Q. What happens to the debris on the ground after the water is removed from the ground (City assumes this question refers to water in the tunnel and pits in the project area)?

A. The contractor shall test the debris and residual sediment to determine if it contains asbestos fibers, if the debris or residual sediment contains asbestos fibers above the regulatory limits, the contractor shall abate the debris and residual sediment. Please see Alternative No. 2 on the revised bid sheet.

Q. What is included in Bid Item No. 30?

A. The contractor shall complete an initial cleaning of all work areas prior to completing any abatement activities. The purpose of the initial cleaning is to remove all loose asbestos material that may be in the work areas so that the material is not crushed or dispersed to other areas of the property. The initial cleaning abatement shall be conducted in a regulated area with the asbestos containing material being sufficiently wetted and bagged. Downwind air monitoring will be conducted to ensure that minimal fiber release is occurring during this abatement. The work areas shall be cleaned to pass visual and clearance testing standards for asbestos.
The contractor shall notify the City that the initial cleaning is complete and shall not complete any additional activities until the regulatory inspectors confirm that the initial cleaning pass visual and clearance testing standards for asbestos."

Q. What is considered a container?

A. A container includes any free standing item that contains a liquid or chemical that requires disposal prior to demolition. Vessels may include, but are not limited to, aerosol cans, paint cans, drums, pails, pressurized vessels, and totes.

Q. How are the debris piles categorized?

A. Category I.

Q. Clarify if vermiculite and perlite in walls is included in abatement?

A. The vermiculite and perlite contained in the walls will be abated during demolition. The small piles on the ground surface as a result of assessment activities shall be abated as part of the initial cleaning activities?

Q. Is the cleanup and removal of the collapsed structure in building 58 included?

A. The contractor shall remove the collapsed structure to abate material within and beneath the collapsed structure.

Q. For Building 64W40 the structure of the 2nd floor has been deemed unsafe to access. How is the asbestos in this area to be removed? Will the prime contractor be required to demolish the entire 2nd floor wood floor as asbestos containing waste?

A. The abatement contractor shall provide safe working conditions to conduct the abatement as required by local, state, and federal regulations. It is the contractors responsibility to determine the means and methods to complete abatement activities.

Q. Final Cleaning – what will be the requirements of final cleaning the building concrete floors and/or concrete/asphalt surfaces surrounding the buildings?

A. Final cleaning is to pass visual and clearance testing standards for asbestos and visual observation for hazardous materials.

Q. What is the expected or anticipated duration of Alternate #1 – On Call Asbestos Abatement Maintenance Activities? How long will it be before completion of asbestos and completion of demolition activities?

A. The estimated duration of alternate number 1 is up to one year from the date of Notice to Proceed.

Q. In one section of the specification it indicates that the contractor is responsible for OSHA compliance air monitoring. In another section of the specification it indicates that the contractor will be responsible for providing a Third Party Independent contractor to perform visual and air clearance testing consisting of clearance testing, work area samples, barrier samples, and outside air samples. Could you clarify what air monitoring will be required for this contract?

A. The City requirements are listed in Milwaukee Code of Ordinances (MCO) 66-12, which the contractor should fully understand. In summary (if there are conflicts with the following and MCO 66-12 defer to the code) the City requires: that 1 in every 4 workers in containment be equipped with a personal air monitor, that for every containment erected that adequate sampling of the air inside of containment show that the total fibers per cubic centimeter are less than 0.01, that for any exterior work not requiring containment that downwind air sampling be conducted to verify that fiber release is kept to a minimum.

The contractor shall either complete, or subcontract the necessary with qualified personnel to perform all of the specified tasks listed in the bid specs. The City does not require third party monitoring/air clearances unless AHERA applies.

Q. During the walk thru it was mentioned that cleaning of piles of debris at building 82 would not be required to be placed into lined dumpsters or trucks. Could you confirm this statement?

A. Handling, transport, and disposal of asbestos materials shall be in accordance with local, state and federal regulations.

Q. What will the requirements be for cleaning any other piles of debris identified in the surveys? The big pile of crushed gravel at building 60 – how is this pile to be cleaned and disposed of?

A. In regards to the large gravel covered area that is mixed with TSI where the removal of the top layer (3") is to be conducted: This abatement will need to be conducted in a full negative pressure enclosure due to the friable nature of the material. In regards to the scattered areas outside where the TSI has fallen to the ground in small quantities over large areas: This abatement will need to be conducted in a regulated area with the TSI being sufficiently wetted and bagged. Downwind air monitoring will be conducted to ensure that minimal fiber release is occurring during this abatement.

Q. Building 51 survey indicates Roof Parapet – Seam/Joint Caulk (grout as identified in Table 1). Would this material need to be removed by the abatement contractor or the demolition contractor?

A. The material is Category I and in good condition and will be included with roofing material to be removed by the demolition contractor.

Q. Building 51 survey indicates floor tile removal for 9"x9" and 12"x12" but does not indicate floor tile mastic. Sample 51-18A III shows floor tile mastic containing 5% and the associated 12" floor tile to be negative. I could not find a sample of the 9"x9" floor tile being sampled nor any reference of any 9" floor tile mastic – is this material assumed to contain asbestos? Also building 62 survey indicates 12"x12" floor tile to contain 5% but that the floor tile mastic associated with the same floor tile to be negative. Please clarify if the contract requires removal of all mastic where floor tile removal is indicated? What would be the requirements for all other buildings indicating floor tile being removed?

A. 1) The 9-inch square floor tiles and mastic at Building 51 is homogenous with material that was sampled at other on-site locations and is assumed ACM. Also, the mastic ACM for the 12-inch tile (non-ACM) should be removed.

2) With regard to the 12-inch tile mastic at Building 62; removal of this non-ACM mastic is not required.

3) With regard to mastic associated with 9-inch floor tiles; the mastic should be included with removal of the tiles. With regard to the mastic for 12-inch tiles; removal of the mastic is only required in areas where the mastic for 12-inch tiles is indicated as ACM.

Q. Building 58 references building 85 throughout the report. Could you provide a clarification or a revised report for building 58?

A. The revised Building 58 report is attached to this addendum.

Q. Building 60 – during the walk thru it was noted that the tranisite electrical conduit poured into the concrete slab could remain in place for demolition. Could you confirm this statement?

A. Confirmed.

Q. Building 69 survey indicates roofing and windows however Appendix A Table 1 indicate NO ACBM. Could you please clarify this survey?

A. The roofing and window glaze of the 4 windows at Building 69 are ACBM. The windows are to be removed prior to demolition by the abatement contractor and the roofing is to remain for removal by demolition contractor.

Q. What is the intent of the Category I ACM as mentioned in the surveys? Several surveys indicate that Category I (caulking, electrical wiring, CMU wall seam/joint compound, etc.) is not required to be removed prior to demolition and may be removed at the time of demolition activities. Who is supposed to remove the Category I materials – the abatement contractor under this contract or the demolition contractor under the demolition contract?

A. It is understood that the City wants to have the electrical wiring removed by the abatement contractor, and that the caulk (except for windows) and CMU wall seam/joint compound will be removed at the time of the demolition activities.

Q. Steam Tunnel Building – during the walk thru it was indicated that the City will be responsible for dewatering the tunnel so that abatement can be performed. Could you confirm this statement?

A. The abatement contractor is responsible for dewatering the tunnel. The water shall be filtered through a five (5) micron filter prior to discharge to an on-site sewer. The contractor shall obtain approval from the City or its representatives prior to disposing water into a sewer.

Q. Building 52 survey indicates skylight flashing. Would this material be considered roofing material and remain in place for the demolition contractor?

A. The skylight flashing should be considered as part of the roofing material that will remain in place for removal by the demolition contractor.

Q. Building 52 survey indicates fibrous, wire insulation wrap > 1000 sf estimated. Is this suppose to be 1000 lineal feet? What is the classification for the wire insulation – is this friable material or non-friable materials and does this need to be removed by the abatement contractor or the demolition contractor?

A. Yes, should be lineal feet. The wire insulation material was pliable/resinous in nature and characterized as Category I in good condition. It is understood that the City desires to have the wiring removed by the abatement contractor.

MANDATORY WALK THROUGH

ASBESTOS AND HAZARDOUS MATERIALS ABATEMENT WALKTHROUGH

DEPARTMENT OF PUBLIC WORKS OFFICIAL NOTICE ~~1X~~ 155

CENTURY CITY PROJECT AREAS A, B, AND C

8/29/2011 - 9:00 A.M. TO 12:00 P.M.

Name	Company	ADDRESS	FAX	E-mail
John Miller	Luminaire Environmental + Tech	14930 23rd Ave N Plymouth MN 55447	763-634-8461	Jdmiller@luminairetk.com
Bob Morrison	Robinson Brothers CNU.	220 Raemisch Rd. Waunakee, WI 54936	608 849-6722	Mbricco@robinsonbros.com
Scott Lodico	Environmental Plant Services Inc	2315 Hampden Ave St. Paul MN 55114	651 644 4838	slodico@eps.vg
Kevin Thompson	Braxton Environmental	1300 S. Barker Rd Brookfield WI	262 734-482-	[illegible]
Scott Montgomery	Valor Technologies	3 North Point Court Bolingbrook IL 60440	630-679 9800	Scott@valortechnologies.com
Hamid Rahmanpanah	Parss	12440 W. Robin Ln. Brookfield. WI 53005	(262) 790-9771	manager@ParssCorP.com
Nate Kawlewski	Balestrieri	PO Box 860 Elkhorn, WI 53121	(262) 743-2810	field@balestrierigroup.com
Allan Kountz	Veolia ES Tech Solns	W124 N9451 Boundary Rd Menomonee Falls, WI 53066	262 255-0863	allan.kountz@veoliaes.com
Jazz Spears	KPH environmental	1237 W. Bruce St. Milw, WI 53224	(414) 647-1530	
PAT O'NEIL	GZA GEOENVIRO	20900 Swenson Dr. Waukesha WI 53186	262-754-9711	PATRICK.ONEIL@GZA.com
Mike Gauger	Globe contractors	23076 Betker Road Pewaukee WI 53072	262 246-0730	Mike@globecontractors.com
Scott Kleinhans	Veolia ES Emerald Park Landfill	W124 S10629 S. 124th St Muskego, WI 53150	414-807-7101	Scott.Kleinhans@veoliaes.com

MANDATORY WALK THROUGH

ASBESTOS AND HAZARDOUS MATERIALS ABATEMENT WALKTHROUGH

DEPARTMENT OF PUBLIC WORKS OFFICIAL NOTICE 115
CENTURY CITY PROJECT AREAS A, B, AND C
8/29/2011 - 9:00 A.M. TO 12:00 P.M.

Name	Company	ADDRESS	FAX	E-mail
Thermaine Petty Marthia Bell	Prism Technical	6114 W Capitol Dr.	414-847-0992	tpetty@prismtechical.com mbell@prismtechical.com
Pete Salamon	Veit + Co	1011 W Somers ST	414 372-9804	PSalamon@veitusa.com
Scott Eedman	Integrity Environmental	waukesha WI	262-798-1453	SEedman@SBCglobal.net
Bill Cook	Braxton Environmental	6311 N 91th ST	414 530 0896	BillKCook@Gmail.com
LONDON THOMAS	WHITE GLOVE ENVIRONMENTAL	8326 N. STEVEN Rd MILW WI	414-760-1733	london@wgginc.net
ANDRE CLAYTON	" "	" "	"	andre@wgginc.net
Jamie	Intec	321 N. 25th St. milwaukee, WI 53233	414-732-2234	
Scott Eidman	Integrity	Waukesha	414 406 9686	
Chris Ruha	"	"	"	

OPTIONAL WALK THROUGH
ASBESTOS AND HAZARDOUS MATERIALS ABATEMENT WALKTHROUGH

DEPARTMENT OF PUBLIC WORKS OFFICIAL NOTICE ~~155~~ 155
CENTURY CITY PROJECT AREAS A, B, AND C
8/31/2011 - 9:00 A.M. TO 12:00 P.M.

PAGE ___ OF ___

Name	Company	ADDRESS	FAX	E-mail
Scott Lodico	EPS - Env, Plant Services Inc	2315 Hampden Ave St Paul MN 55114	6516444838	slodico@eps.org
Nate Kanlewski	Balestrieri	PO Box 860 Elkhorn, WI 53121	(262) 743-2800	field@balestrierigroup.com
Mike Bricco	Robinson Brothers	220 Roemisch Rd. Waunakee WI	608 849 6980	mbricco@robinsonbros.com
Bob MORRISON	Robinson Brothers	220 Roemisch Rd Waunakee, WI	608 849-6980	" " "
Sonny Pierce	PW construction		404 2155	sonnypierceusa@yahoo.com
Uriel Parra.	MRW Contracting.	1301. E Waterford. AVE. SUITA San Francis. WI.	414) 234 7678.	